Planning of Water Resources of Rajasthan State

Report Number:

4.6

Report Name:

Water Supply & Demand

Background: Over 2013-2014, a consortium of firms led by Tahal Group produced a set of reports on the subject for the Government of Rajasthan. 9 reports were produced, as follows:

Report No.	Report Name
4.1	Hydrology and Weather
4.2	Basin-wise water availability
4.3	Catchment area study
4.4	Groundwater
4.5	Water pollution
4.6	Water supply demand
4.7	Identification of new projects
4.8	Identification of projects to be rehabilitated
4.9	Comprehensive water resources plan

With some exceptions, all the above reports have been uploaded on archive.org and may be found by searching for "Planning of Water Resources of Rajasthan State"

Final Report No. 4.6

Volume 1 of 2

Report

INRM Consultants Pvt Ltd

Final Report No. 4.6

Water Supply and Demand by Districts

October 2014

Contents

Page

Table of Contents i
Abbreviations and Acronyms ix

PART A – General

Executive Summary I
1. INTRODUCTION 1
2. OBJECTIVE 1
3. APPROACH 1
4. METHODOLOGY 2

PART B – Water Demand

1. COMPUTATION OF WATER DEMANDS 3
   1.1 General 3
   1.2 Approach 3
   1.3 Priorities 3
2. POPULATION AND DOMESTIC WATER DEMAND 4
   2.1 Introduction 4
   2.2 Demographic Scenario 4
   2.3 Size, Growth Rate and Distribution of Population 5
   2.4 Decadal Variation in Rajasthan Population Since 1901 9
   2.5 Decadal Variation of District Populations 10
   2.6 Population Density 11
   2.7 Migration 13
   2.8 Urbanization 14
   2.9 Population Projections 15
      2.9.1 Introduction 15
      2.9.2 Methodology 15
2.10 Domestic Water Demand 19
3. LIVESTOCK WATER DEMAND 26
   3.1 General 26
   3.2 Current Livestock Population 26
   3.3 Livestock Population Projection 37
   3.4 Water Requirements 38
4. INSTITUTIONAL WATER DEMAND 39
   4.1 Water Requirement Norms 39
   4.2 Fire-Fighting Demand 40
   4.3 Assessment of Institutional Water Demand 40
5. IRRIGATION WATER DEMAND 41
   5.1 Methodology 41
      5.1.1 Crop Water Requirements 41
      5.1.2 The Modified Penman Method 41
      5.1.3 Net Crop Water Requirement 41
   5.2 Net Irrigation Demand 41
6. POWER STATION'S COOLING WATER DEMAND 42
   6.1 Introduction 42
   6.2 Unit Water Requirements 42
   6.3 Existing Power Generation and Water Requirements 43
   6.4 Future Power Generation Development and Water Requirements 44
7. WILDLIFE, GAME RESERVES AND SANCTUARIES 45
   7.1 Game Reserves and Sanctuaries 45

7.2 Wildlife 47
7.2.1 Numbers 47
7.2.2 Water Requirements 48
7.2.3 Projected Water Requirements 55
8. INDUSTRIAL WATER DEMAND 56
8.1 Introduction 56
8.2 Water Demand 57
8.3 Future Projections of Water Demand for Industries 69

PART C – Water Supply and Demand Balance

1. INTRODUCTION 71
2. APPROACH 71
3. METHODOLOGY 72
3.1 Planning Stages and Dependability Levels 73
3.2 Time-step 73
3.3 Initial Conditions 73
3.4 Topology 74
3.4.1 Water Demand Nodes 74
3.4.2 Water Resources Nodes 74
3.4.3 Supply System 75
3.5 Parameters and Constraints 76
3.5.1 Water Demand Nodes 76
3.5.2 Water Resource Nodes 77
3.5.3 Supply System 80
4. DATA INPUT 80
5. RESULTS 81
5.1 Ajmer 84
5.2 Alwar 88
5.3 Banswara 92
5.4 Baran 96
5.5 Barmer 101
5.6 Bharatpur 104
5.7 Bhilwara 108
5.8 Bikaner 112
5.9 Bundi 116
5.10 Chittaurgarh 119
5.11 Churu 124
5.12 Dausa 128
5.13 Dhaulpur 131
5.14 Dungarpur 134
5.15 Ganganagar 138
5.16 Hanumangarh 141
5.17 Jaipur 145
5.18 Jaisalmer 150
5.19 Jalore 153
5.20 Jhalawar 157
5.21 Jhunjhunun 160
5.22 Jodhpur 164
5.23 Karauli 167
5.24 Kota 170
5.25 Nagaur 174
5.26 Pali 177
5.27 Pratapgarh 180
5.28 Rajsamand 184

5.29 Sawai Madhopur 188
5.30 Sikar 192
5.31 Sirohi 196
5.32 Tonk 199
5.33 Udaipur 203
6. STATE-WISE ANALYSIS AND CONCLUSIONS 207
6.1 State-wise Water Balance 207
6.2 Supply 209
6.3 Non-agricultural Unmet Demand 210
6.4 Supply Coverage of Agricultural Demand 211
6.5 Excess of Water 214
6.6 Transfers 224
7. Conclusion and Recommendations 226

■ ■ ■

List of Figures

		Page
Figure C-3.1	The Rajasthan State districts	72
Figure C-5.1	The Ajmer district	85
Figure C-5.2	Ajmer District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	88
Figure C-5.3	The Alwar district	89
Figure C-5.4	Alwar District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	90
Figure C-5.5	The Banswara district	92
Figure C-5.6	Banswara District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	94
Figure C-5.7	The Baran district	97
Figure C-5.8	Baran District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	99
Figure C-5.9	The Barmer district	101
Figure C-5.10	Barmer district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	104
Figure C-5.11	The Bharatpur district	105
Figure C-5.12	Bharatpur district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	108
Figure C-5.13	The Bhilwara district	109
Figure C-5.14	Bhilwara district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	112
Figure C-5.15	The Bikaner district	113
Figure C-5.16	Bikaner district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	114
Figure C-5.17	The Bundi district	116
Figure C-5.18	Bundi district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	119
Figure C-5.19	The Chittaurgarh district	120
Figure C-5.20	Chittaurgarh district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	124
Figure C-5.21	The Churu district	125
Figure C-5.22	Churu district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	126
Figure C-5.23	The Dausa district	128

Figure C-5.24	Dausa district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	129
Figure C-5.25	The Dhaulpur district	131
Figure C-5.26	Dhaulpur district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	134
Figure C-5.27	The Dungarpur district	135
Figure C-5.28	Dungarpur district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	136
Figure C-5.29	The Ganganagar district	138
Figure C-5.30	Ganganagar district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	141
Figure C-5.31	The Hanumangarh district	142
Figure C-5.32	Hanumangarh district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	143
Figure C-5.33	The Jaipur district	146
Figure C-5.34	Jaipur district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	148
Figure C-5.35	The Jaisalmer district	150
Figure C-5.36	Jaisalmer district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	153
Figure C-5.37	The Jalore district	154
Figure C-5.38	Jalore district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	155
Figure C-5.39	The Jhalawar district	157
Figure C-5.40	Jhalawar district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	160
Figure C-5.41	The Jhunjhunun district	161
Figure C-5.42	Jhunjhunun district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	162
Figure C-5.43	The Jodhpur district	164
Figure C-5.44	Jodhpur district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	165
Figure C-5.45	The Karauli district	167
Figure C-5.46	Karauli district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	168
Figure C-5.47	The Kota district	171
Figure C-5.48	Kota district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	172
Figure C-5.49	The Nagaur district	174
Figure C-5.50	Nagaur district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	175
Figure C-5.51	The Pali district	177
Figure C-5.52	Pali district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	180
Figure C-5.53	The Pratapgarh district	181
Figure C-5.54	Pratapgarh district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	182
Figure C-5.55	The Rajsamand district	185
Figure C-5.56	Rajsamand district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	188
Figure C-5.57	The Sawai Madhopur district	189
Figure C-5.58	Sawai Madhopur district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	190
Figure C-5.59	The Sikar district	192
Figure C-5.60	Sikar district: Block-wise Non-Agricultural Demand and Supply for a	194

	Dependability Level of 90%, in Mm^3/yr	
Figure C-5.61	The Sirohi district	196
Figure C-5.62	Sirohi district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	197
Figure C-5.63	The Tonk district	199
Figure C-5.64	Tonk district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	201
Figure C-5.65	The Udaipur district	203
Figure C-5.66	Udaipur district: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr	205
Figure C-6.1	Distribution of the total supply between non-agricultural uses, agriculture inside CCA and agriculture outside CCA in Mm^3/yr and associated percentages	209
Figure C-6.2	State-wise Non-Agricultural Demand and Supply for Planning Stages 2010, 2020, 2040, 2060 and Dependability levels 25%, 50%, 75%, 90%, in Mm^3	210
Figure C-6.3	Total Domestic Unmet Demand per District for a Dependability level of 90% in 2060, in Mm^3/yr	211
Figure C-6.4	State-wise Agricultural Demand and Supply Inside CCA for Planning Stages 2010, 2020, 2040, 2060 and Dependability levels 25%, 50%, 75%, 90%, in Mm^3	212
Figure C-6.5	State-wise Agricultural Demand and Supply Outside CCA for Planning Stages 2010, 2020, 2040, 2060 and Dependability levels 25%, 50%, 75%, 90% and Considering Full Potential in Mm^3/yr	212
Figure C-6.6	State-wise Agricultural Demand and Supply Outside CCA for Planning Stages 2010, 2020, 2040, 2060 and Dependability levels 25%, 50%, 75%, 90% and Considering Maximum Irrigated Areas in Past Decade (2002-2010), in Mm^3/yr	213
Figure C-6.7	Unutilised Water at the Downstream Diversions Structures of Rajasthan for a Dependability level of 75% and 50%	214
Figure C-6.8	Spills* from the Downstream Dams of Rajasthan for a Dependability level of 75% and 50%	216
Figure C-6.9	Excess of Water Stored in the Four Chambal Valley Projects for a Dependability level of 75% and 50%, Including the Dead Storage	217
Figure C-6.10	Excess of Water Stored in the Mahi Bajaj Sagar dam for a Dependability level of 75% and 50%, Including the Dead Storage	218
Figure C-6.11	Excess of Water Stored in the Dams* of Rajasthan for a Dependability level of 75% and 50%, Excluding the Dead Storage	218
Figure C-6.12	Distribution of Unutilized Groundwater in Rajasthan for a Dependability Level of 75% and 50%	219
Figure C-6.13	Excess of Intercepted Water and Unutilised Groundwater in the Rajasthan State for a Dependability level of 75% in 2010	220
Figure C-6.14	Excess of Intercepted Water and Unutilized Groundwater in the Rajasthan State for a Dependability level of 50% in 2010	220
Figure C-6.15	Excess of Intercepted Water and Unutilised Groundwater in the Rajasthan State for a Dependability level of 75% in 2020	221
Figure C-6.16	Excess of Intercepted Water and Unutilized Groundwater in the Rajasthan State for a Dependability level of 50% in 2020	221
Figure C-6.17	Excess of Intercepted Water and Unutilised Groundwater in the Rajasthan State for a Dependability level of 75% in 2040	222
Figure C-6.18	Excess of Intercepted Water and Unutilized Groundwater in the Rajasthan State for a Dependability level of 50% in 2040	222
Figure C-6.19	Excess of Intercepted Water and Unutilised Groundwater in the Rajasthan State for a Dependability level of 75% in 2060	223
Figure C-6.20	Excess of Intercepted Water and Unutilized Groundwater in the	223

Rajasthan State for a Dependability level of 50% in 2060
Figure C-6.21 Inter-States and Inter-Districts Transfers for Non-Agricultural Uses 225

■ ■ ■

List of Tables

		Page
Table B-2.1	Socio-Demographic Profile, India and Rajasthan, 2011	4
Table B-2.2	Decadal Growth Rates of First Five and Last Five Districts in percent	6
Table B-2.3	District-Wise Decadal Population Growth Rate, %	6
Table B-2.4	Ranking of Districts by Population Size, 2001 and 2011	7
Table B-2.5	District Population as Percentage of State Population, %	8
Table B-2.6	Percentage Decadal Variation in Rajasthan Population 1901-2011	9
Table B-2.7	Decadal Growth Rate of Urban and Rural Population by District	10
Table B-2.8	Population Density in Rajasthan, 1901-2011	11
Table B-2.9	Ranking of Districts by Population Density, 2001 and 2011	11
Table B-2.10	Districts with Maximum Increase in Population Density	12
Table B-2.11	Districts with Minimum Increase in Population Density	13
Table B-2.12	Net Increase in Rajasthan Population	13
Table B-2.13	Number of Inter-State Migrants	14
Table B-2.14	Annual Growth Rates	14
Table B-2.15	District-wise Present (2010) and Projected Population	18
Table B-2.16	DDP Blocks in Rajasthan	19
Table B-2.17	District-wise Present (2010) and Projected Domestic Water Demand, Mm^3	22
Table B-2.18	Water Reserved by Rajasthan Government for Domestic Purposes in Dams, Tanks, etc.	24
Table B-3.1	Livestock Population in Rajasthan, Millions	27
Table B-3.2	District and Blockwise Details of the Livestock as per Census 2007	28
Table B-3.3	District-wise Present (2010) and Projected Livestock Water Demand	38
Table B-4.1	Water Requirement Norms for Institutions	39
Table B-4.2	Census of India 2011, Houses, Household Amenities and Assets Figures at a Glance – Rajasthan	40
Table B-6.1	State Owned (RVUNL) Power Generation Plants Up to 2010	43
Table B-6.2	Other Than State Owned Power Generation Plants Up to 2010	43
Table B-6.3	Present and Projected District wise Water Demand for Power Stations	44
Table B-7.1	National Parks and Sanctuaries in Rajasthan	45
Table B-7.2	District-Wise Area of National Parks and Sanctuaries	46
Table B-7.3	Wildlife Census of Rajasthan, 2010	47
Table B-7.4	District and Blockwise Forest Cover and Water Demand	48
Table B-7.5	District-wise Present and Projected Wildlife Water Demand	55
Table B-8.1	Development of Industrial Employment in Rajasthan	56
Table B-8.2	Industrial Water Consumption Norms	58
Table B-8.3	District and Block wise Water Requirement for Industries in 2010 within and outside RIICO Areas (UPDATE FROM APPENDIX B-9)	59
Table B-8.4	Reservation of Water to Industries and Other Establishments from Dams and Canals	66
Table B-8.5	District-wise Present and Projected Industrial Water Demand	69
Table C-3.1	List of Parameters Used in the Simulation	76
Table C-5.1	Ajmer District : General Water Balance	87
Table C-5.2	Alwar District : General Water Balance	91

Table C-5.3	Banswara District : General Water Balance	95
Table C-5.4	Baran District : General Water Balance	100
Table C-5.5	Barmer District : General Water Balance	103
Table C-5.6	Bharatpur District : General Water Balance	107
Table C-5.7	Bhilwara District : General Water Balance	111
Table C-5.8	Bikaner District : General Water Balance	115
Table C-5.9	Bundi District : General Water Balance	118
Table C-5.10	Chittaurgarh District : General Water Balance	123
Table C-5.11	Churu District : General Water Balance	127
Table C-5.12	Dausa District : General Water Balance	130
Table C-5.13	Dhaulpur District : General Water Balance	133
Table C-5.14	Dungarpur District : General Water Balance	137
Table C-5.15	Ganganagar District : General Water Balance	140
Table C-5.16	Hanumangarh District : General Water Balance	144
Table C-5.17	Jaipur District : General Water Balance	149
Table C-5.18	Jaisalmer District : General Water Balance	152
Table C-5.19	Jalore District : General Water Balance	156
Table C-5.20	Jhalawar District : General Water Balance	159
Table C-5.21	Jhunjhunun District : General Water Balance	163
Table C-5.22	Jodhpur District : General Water Balance	166
Table C-5.23	Karauli District : General Water Balance	169
Table C-5.24	Kota District : General Water Balance	173
Table C-5.25	Nagaur District : General Water Balance	176
Table C-5.26	Pali District : General Water Balance	179
Table C-5.27	Pratapgarh District : General Water Balance	183
Table C-5.28	Rajsamand District : General Water Balance	187
Table C-5.29	Sawai Madhopur District : General Water Balance	191
Table C-5.30	Sikar District : General Water Balance	195
Table C-5.31	Sirohi District : General Water Balance	198
Table C-5.32	Tonk District : General Water Balance	202
Table C-5.33	Udaipur District : General Water Balance	206
Table C-6.1	State-Wise Water Balance of Rajasthan	208
Table C-6.2	Unutilised Water Associated to Canals importing Water from Outside of Rajasthan, in Mm3/yr	215
Table C-7.1	Action Plan based on Recommendations	233

■ ■ ■

List of Maps (in back pocket)

MAP 1 - Demand and Source Key Map

MAP 2 - Existing / Ongoing / Proposed Water Supply / Transfer Projects

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Volume 2a
Appendices of Part B of Main Report

B-1 Population Data (Census 2011)
B-2 Percentage of Tehsil Area Falling in Different Blocks
B-3 Projected Population and Domestic Water Demand
B-4 Water Supply Norms
B-5 Projected Population figures of Livestock and Projected Livestock Water Demands
B-6 Crop Water Requirement
B-7 Details of Power Plants
B-8 Forest Cover and Future Projections for Water Demand
B-9 Present and Projected Industrial Water Demand

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Volume 2b
Appendices of Part C of Main Report

C-1 (a) WEAP – User Guide and Tutorial (in soft copy)
(b) Nomenclature Used to Represent Nodes in the WEAP Tool
C-2 Topology of the 33 Districts of Rajasthan in the WEAP Tool
C-3 Major and Medium Surface Water Structures Main Features
C-4 Non-Agricultural Demand – District-wise
C-5 Agricultural Demand, Irrigable Areas and Annual Net Crop Water Requirements – District-wise
C-6 Minors Structures Data
C-7 Groundwater Recharge
C-8 Inflows of Surface Water Major and Medium Structures for Four Dependability Levels
C-9 Volume Elevation Tables of Major and Medium Projects
C-10 Evaporation from Surface Water Structures
C-11 Irrigation efficiency
C-12 Imported Water to Rajasthan State
C-13 Committed Water for Non-Agricultural Demand
C-14 Detailed Results of District wise and Block wise Water Supply and Demand Balance
C-15 Actual Irrigated Area Outside CCA
C-16 Supportive Sample Water Balance for a Block

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Abbreviations and Acronyms

CB	Cantonment Board
CCA	Culturable Command Area
CE	Chief Engineer
CPHEEO	Central Public Health Environment Engineering Organization
CT	Census Town
DDP	Drought Development Programme
ET	Evapotranspiration
FAO	Food and Agriculture Organisation
FCA	Free Catchment Area
GSC	Gross Storage Capacity
GDP	Gross Domestic Product
GOR	Government of Rajasthan
GOI	Government of India
GPS	Global Positioning System
GW	Ground Water
ha	Hectare
HZL	Hindustan Zinc Limited
HQ	Head Quarter
ICI	Institutional, Commercial and Industrial
IPP	Independent Power Producer
IGNP	Indira Gandhi Nahar Project
IGNP I	IGNP Stage-I
IGNP II	IGNP Stage-II
Irri.	Irrigation
km^2	Square kilometre
LPCD	Like per Capita per Day
m	Metre
M	Municipality
M CL	Municipal Council
M Corp	Municipal Corporation
m^2	Square Metre
m^3	Cubic Metre
m^3/sec	Cubic metre per second
Mm^3	Million cubic metres
Mm^3/yr	Million cubic metres per year
mm	Millimetre
MOUD	Ministry of Urban Development

MORD	Ministry of Rural Development
MOUD	Ministry of Urban Development
MSME	Micro, Small and Medium and Enterprises
MT	Metric tonne
MW	Megawatt
NTPC	National Thermal Power Corporation
NRDWP	National Rural Drinking Water Programme
NPP	National Population Policy
NIDC	National Industrial Development Corporation
OG	Out Growth
PHED	Public Health Engineering Department
PS	Planning Stage
RMC	Right Main Canal
RIICO	Rajasthan Industrial Development and Investment Corporation
RAPP	Rajasthan Atomic Power Project
RVUNL	Rajasthan Vidhyut Utpadan Nigam Limited
SWAT	Soil and Water Accounting Tool
SW	Surface Water; South-West
SWP	State Water Policy
TPP	Thermal Power Plant
TPS	Thermal Power Station
ToR	Terms of Reference
WRD	Water Resources Department
WEAP	Water Evaluation and Planning
WHS	Water Harvesting Structure
yr	Year

Water Supply and Demand by Districts

PART A – General

Executive Summary

Introduction

This is the sixth of eight Final Reports to be submitted by the Consultants according to the Study's Terms of Reference (ToR). According to the ToR, the Consultants shall "prepare District-wise and Block-wise plans of supply and demand of water for various non-agriculture and agriculture uses, strategies to fill gap and estimated costs".

The report depicts water demand of various non-agricultural sectors i.e. urban and rural population, livestock, institutions, cooling of power stations, wildlife and industries as well as irrigated agriculture which is the principal water consumption sector. Water supply possibilities to meet these demands, from surface and groundwater resources, as well as from sources outside Rajasthan, are studied in the present report on the basis of water resources studies dealt-within the Final Reports, submitted earlier.

The Consultants have approached the present study of water supply and demand with a special sense of importance, because its outcome is a water balance that should guide the planning and priority of new development schemes with particular attention to the higher priority for drinking water supplies and possible need to provide for future reserve allocations for that sector. Priorities of water allocation between different sectors of water uses has been based on the State Water policy, February 2010.

The surface water availability from within Rajasthan has been considered for present (2010) and for future planning stages of 2020, 2040 and 2060 and at four dependability levels of 90%, 75%, 50% and 25% considering the storage/diversion capacities of Major, Medium and Minor projects as well as other water harvesting structures such as anicuts, nadis, talabs, etc. The share of Rajasthan in outside State waters (imported water) has also been considered for present (2010) and for future planning stages of 2020, 2040 and 2060 and at four dependability levels of 90%, 75%, 50% and 25% as per the inter-State agreements. The long-term fresh dynamic groundwater availability considering groundwater quality has only been considered as available for utilization.

Water demand of various non-agricultural sectors i.e. domestic, livestock, institutions, cooling of power stations, wildlife and industries as well as irrigated agriculture has been assessed for present (2010) and for future planning stages of 2020, 2040 and 2060 and at four dependability levels of 90%, 75%, 50% and 25%, as applicable.

Based on the water availability and water demands, the water supply and demand balance has been carried out for the 16 different scenarios considering the present and future planning stages and various dependability levels using WEAP tool. The Water Evaluation and Planning (WEAP) system aims at incorporating the water availability and demand into a practical tool for water resources planning. WEAP is distinguished by its integrated approach to simulating water systems and by its strategy flexibilities. WEAP places the demand side of the equation - various water use and its patterns, equipment efficiencies, and allocation - on an equal footing with the supply side - streamflow, groundwater, reservoirs and water transfers. WEAP is a laboratory for examining alternative water development and management strategies.

Water Demands

Population and Domestic Water Demand

Based on the data of Census population of 1961, 1971, 1981, 1991, 2001 and 2011 future population has been projected upto year 2060 for the State as a whole for total, rural and urban population. The district-wise population projections have been done by the ratio method. According to the projections for State, the present total population of 68.55 million (as per census 2011) will increase to 81.14 million, 103.47 million and 117.77 million in year 2020, 2040 and 2060, respectively.

For assessing domestic water demand, for the year 2010, the Consultants have adopted the norms established by the PHED, as follows, in litres per capita per day (lpcd).

Rural Water Supply

70 lpcd in DDP Blocks of Rajasthan
40 lpcd in non-DDP Blocks

Urban Water Supply

135 lpcd in towns having a population of more than 20,000
100 lpcd in towns having a population of less than 20,000

The domestic water demands for the future years 2020, 2040 and 2060 have been worked out as per the revised norms based on the new guidelines of NRDWP issued by MORD, Govt. of India, considering 15 lpcd extra demand in Urban areas for sewerage in the major towns having population more than 5.0 lac. Similarly in Rural areas 100 lpcd in DDP Blocks and 70 lpcd in Non-DDP Blocks has been considered to work out the future domestic water demands for the year 2020, 2040 and 2060.

Based on these norms, the gross domestic demand has been estimated as 2245.37 Mm^3/yr, 3496.50 Mm^3/yr, 4535.54 Mm^3/yr and 5216.96 Mm^3/yr for year 2010, 2020, 2040 and 2060, respectively.

Livestock Water Demand

The livestock sector in Rajasthan is important as an engine of social and economic growth, especially in the rural areas. Using the available data of livestock census for 12 times (1951 to 2007), the livestock population projections have been made upto year 2060. Based on the information from the Animal Husbandry Department on daily water consumption by different animals the total livestock water demand has been estimated as 624.75 Mm^3/yr, 663.99 Mm^3/yr, 742.41 Mm^3/yr and 821.62 Mm^3/yr for year 2010, 2020, 2040 and 2060, respectively.

Institutional Water Demand

The water requirements for institutions should be considered in addition to domestic water demands, as these are of considerable magnitude and are not covered in the domestic estimates. Therefore considering the norms, laid down by the ministry of Urban Development, GOI for Institutional needs and Manual on water supply and treatment by CPHEEO (Central Public Health Environment Engineering Organisation) under MOUD, the ICI (Institutional, Commercial and Industrial) demand, should be taken 10% of the total domestic demands. Thus 5% of the domestic gross water demand has been considered as Institutional water demand, as Industrial demands have been worked out separately. Based on the above, the institutional water demand has

been estimated as 112.27 Mm^3/yr, 174.82 Mm^3/yr, 226.78 Mm^3/yr and 260.85 Mm^3/yr for year 2010, 2020, 2040 and 2060, respectively.

Irrigation Water Demand

Crop water requirement has been defined as "the depth of water needed to meet the water losses through evapotranspiration (ET crop) of a disease-free crop, growing in large fields under non-restricting soil conditions, including soil water and fertility and achieving full production potential under the given growing environment". The crop water requirements have been estimated using the modified Penman method adopted by the Food and Agriculture Organization (FAO) of the United Nations.

Computation of net crop water requirements was aimed at a full meeting of crop water deficits in order to realize the yield potential of crops, after considering the effective rainfall and available soil moisture. The computational procedure involves simulation of the water balance within the effective root zone of the crop on a monthly basis.

The weighted average net irrigation demands for each district for the crop-basket (Rabi + Kharif) as per the prevailing pattern in the irrigated areas have been estimated in mm as well as m^3/ha.

The project-wise (surface-water-irrigated projects) total net irrigation demand (in Mm^3) at various dependability were arrived at by using the data in hectares on Cultivable Command Area (CCA) of these projects collected from Water Resources Department, Govt. of Rajasthan and the estimated net irrigation water requirement. For the areas outside the CCA of surface-water-irrigated projects the net irrigation demand has been estimated block-wise at various dependability levels by using the data in hectares on potential irrigable areas and the estimated net irrigation water requirement.

Gross irrigation water demands have been computed by applying the factors of on-farm and off-farm irrigation efficiency to the net irrigation water demand for individual surface-water-irrigated projects and areas outside the CCA of surface-water-irrigated projects in each block, considering the type of water source.

Power Station's Cooling Water Demand

No projections of Power demand or installed capacities of Nuclear power plants is available. However information has been collected for the thermal power plants (Coal based, Gas based and Giral TPP) from RVUNL to be installed between the year 2011 to 2020 and after the year 2020. Further programme of installation of Power Plants is not available. Therefore the consultants have considered the sources of water, where the power plants can be proposed to be installed by 2040 and 2060. It has been assumed that expansion of power generation will be mainly on three sources of water viz. IGNP, Chambal and Mahi.

On an average, the consumptive water requirements of conventional thermal power station (TPS) amount to between 2.5 and 4.5 Mm^3/yr per 100 MW for different types and sizes of plants. For super TPPs at Suratgarh and Kota the demand has been estimated as 7.15 Mm^3/yr per 100 MW. For gas based TPP the water requirement remains between 2.5 to 5.6 Mm^3/yr per 100 MW. In case of Giral TPP the water demand remains between 4.3 to 6.5 Mm^3/yr per 100 MW. Nuclear power station require much larger quantities of cooling water for the condenser and other auxiliaries, as well as for the heat transport system between the reactor and the steam generator, but the consumptive use of water is lower than that of conventional thermal power station. The consumptive use of water in nuclear power stations is about 3 Mm^3/yr, or 0.1

m^3/sec per 100 MW. Based on the above information and norms, the cooling water demand of power stations has been estimated as 367.22 Mm^3/yr, 910.79 Mm^3/yr, 1279.24 Mm^3/yr and 1735.81 Mm^3/yr for year 2010, 2020, 2040 and 2060, respectively.

Wildlife Water Demand

Rajasthan has two national parks - Keoladeo Ghana National Park near Bharatpur and Desert National Park near Jaisalmer, 25 Sanctuaries and 33 closed areas. To sustain and develop these national parks, sanctuaries and closed areas, and to restore the natural habitat, the relevant authorities provide water holes, eradicate and exercise grazing control in the respective areas. The source of water, its quantity and quality are major factors affecting the Keoladeo wetland ecology. Rajasthan Forest Department is allocated 14 Mm^3/yr of water by the Water Resources Department. Most of the other Game Sanctuaries are located in forest areas and depend for their water needs on the rains.

The total number of wild animals as per the 2010 census is about 0.26 million. This number is very small in comparison with the livestock which is 56.59 million, plus some other livestock such as dogs, horse, donkeys, poultry, rabbits etc. Thus, the number of wildlife can be taken as about 0.46% of livestock. But water is also needed by birds and other uncounted wildlife. Therefore, a provision of 1% of livestock water demand is considered by the Consultants as proper for a realistic assessment of water demand for wildlife and distributed between the districts and blocks in proportion to the forest areas. Based on this, the wildlife water demand has been estimated as 20.25 Mm^3/yr, 20.64 Mm^3/yr, 21.42 Mm^3/yr and 22.22 Mm^3/yr for year 2010, 2020, 2040 and 2060, respectively.

Industrial Water Demand

The State of Rajasthan has made since independence significant progress in the development of basic infrastructure like irrigation, power, roads and water supply. Industrial development was virtually non-existent when Rajasthan was formed, but has received due importance in various development plans and has helped, along with agriculture, in developing the economy and the generation of employment.

Water demand norms for industries have been established by various organizations. The Rajasthan State Industrial Development and Investment Corporation (RIICO) have assessed industrial water demand at 4.54 m^3 per acre per day (i.e. 11.22 m^3 per ha per day) of industrial area developed. RIICO, Jaipur provided the RIICO Industrial Area in all the districts of Rajasthan and also provided water demand per year for those industrial areas. The block-wise distribution of these industrial areas was taken from the district Industrial Profile reports prepared by MSME-Development Institute under Ministry of MSME (Micro, Small and Medium and Enterprises), Govt. of India. On the basis of norms of RIICO, the industrial water demand for industries in RIICO area scattered in various blocks of Rajasthan has been worked out. Besides it, there are many industries outside the RIICO area at various locations. For the industries outside RIICO area it has been assumed that their requirement would be 20% of the water demand of the RIICO area. Further, at some locations, there are industries having more than 20% industrial area and having more water demand than that of RIICO area. Such information collected from industry department and from WRD reports of 2009, have been incorporated while working out water demand outside RIICO area.

The projections have been made for the year 2020, 2040 and 2060. It is anticipated that, due to globalization there would be rapid expansion of industries which will result increase in water demand also. Hence while projecting water demand 25% increase per decade has been considered. Based on this, the industrial water demand has been estimated as 297.13 Mm^3/yr, 376.28 Mm^3/yr, 587.92 Mm^3/yr and 918.66 Mm^3/yr for year 2010, 2020, 2040 and 2060, respectively.

Water Supply and Demand Balance

District-wise and block-wise water balances have been carried out with an analysis of the results, to provide a forecast of water resources availability and accessibility in the future of the Rajasthan State.

The 33 districts of the Rajasthan State and their associated 249 blocks have been simulated with the integrated water-planning tool WEAP. In each simulation of the WEAP tool, the different types of demand within the domain are represented with demand nodes and the different water resources are represented with supply nodes. Transmission links connect between the demand nodes and the supply nodes allowing the transfer of water.

The different planning stages impact the non-agricultural water demand, their respective allocated water from dams, the on-farm and off-farm irrigation efficiency, the silt accumulated in dams and the integration of on-going dams. The different dependability levels impact the availability of surface water (in dams, diversion structures and canals) and the net crop water requirements.

The data was entered on a monthly basis in order to improve the estimation of the evaporation and spills from dams and thus of the annual water balance. Each year was simulated from June to May in order to begin the simulation with the filling of dams during the monsoon period.

The supply system is represented by links between nodes allowing the supply of water from a resource node to a demand node and in some cases from a resource node to another resource node (cases such as spills from a dam to another dam or diversion systems).

The parameters and their associated constraints used in the simulations for the different WEAP objects: demand nodes, water resource node, and links between nodes are given below.

Type of object	Object	Parameter	Unit
Demand node	Non-agricultural or agricultural demand node	Monthly water demand	Mm^3/yr
		Priority to be supplied	-
Water resource node	Groundwater node	Annual Recharge	Mm^3/yr
	Major/medium dam node	Monthly inflow	Mm^3/month
		Gross Storage Capacity	Mm^3
		Dead storage	Mm^3
		Volume-elevation Table	Mm^3-m
		Monthly evaporation rate	Mm/month
		Silt accumulation rate	m^3/km^2/yr
		Free Catchment Area	km^2
		Filling priority	-
	Minor structures node	Total storage capacity of minor dams	Mm^3
		Total water spread area of small water bodies	Km^2
		Assumed depth of small water bodies	m

Type of object	Object	Parameter	Unit
		Monthly evaporation rate	mm/month
	Canal node	Annual inflow	Mm^3/yr
	Diversion node	Monthly inflow	Mm^3/month
	Intake node	Monthly inflow	Mm^3/month
Supply system	Link between nodes	Annual allocation for the destination node	Mm^3/month
		Supply priority	-
		Loss coefficient	%

The results of simulation enable the identification of block-wise and district-wise shortages and unutilized water. The analysis allows a discussion of potential improvements that can be made at a state and district management level to ensure an efficient use of the water resources. The results of the WEAP tool will be used for Report 4.9 – A Comprehensive, Full-Scale, Integrated Plan for the Water Resource Management of the State. The main results of water supply and demand balance are given below.

Satisfaction of the Non-agricultural Demand

This category presents the present and future unmet demand of the domestic, livestock, wildlife, industrial and power plant uses. It points out which blocks in each district have shortages along with plans to fill gaps and associated estimated cost.

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with associated estimated cost
1	Ajmer	Although there is no non-agricultural unmet demand at present (year 2010), shortages will appear in the Peesangan block, where the Ajmer town is located, for future planning stages. Other smaller shortages will also occur from planning stage 2040 in Jawaja and Kishangarh blocks. The maximum non-agricultural unmet demand of the district is 60 Mm^3/yr.	It is proposed to transfer 300 Mm^3/yr water from Anas River in Mahi Basin to Berach River in Banas Basin to augment the Bisalpur Dam. The project also includes augmentation of Jaisamand Dam (Udaipur), Rajsamand Dam (Rajsamand) and Meja Dam (Bhilwara). The total estimated cost of the project is Rs. 3681.30 Crores.
2	Alwar	Although there is no non-agricultural unmet demand at present, small shortages appear in the Alwar town starting from planning stage 2040. The maximum non-agricultural unmet demand of the district is 19 Mm^3/yr.	It is proposed to transfer 21.16 Mm^3/yr water from Chambal River to augment the existing Jaisamand Bund (Alwar). The project also includes enroute requirement of Dhaulpur, Bharatpur and Alwar Districts. The total estimated cost of the project is Rs. 565.42 Crores.
3	Banswara	For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses, except for the power plant in the Chhoti Sarvan block for a dependability level of 90% in 2060.	Inter-state agreement with Gujarat should be reviewed for additional utilization of water in Rajasthan from Mahi Bajaj Sagar Dam.
4	Baran	There is no non-agricultural unmet demand except for Kawai and Chhabra power plants in future planning stages.	These power plants future demands are to be met from proposed Parwan Major Irrigation Project. The estimated cost of Parwan Major Irrigation Project is Rs. 2271.10 Crores.
5	Barmer	There is currently a non-agricultural unmet demand in the majority of the blocks. This unmet demand reaches a maximum of	The gaps will be fulfilled after completion of ongoing projects: 1) Barmer Lift Canal Water Supply Project

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with associated estimated cost
		about 104 Mm^3/yr for a dependability level of 90% in 2060.	Phase-I for providing drinking water supply to Barmer city, 412 villages of Barmer and 161 villages of Jaisalmer district from Indira Gandhi Main Canal with an estimated cost of Rs. 688.66 Crores, and 2) Pokaran Phalsoond Balotra Lift Water Supply Project for providing drinking water to Pokaran (in Jaisalmer district), Balotra and Siwana towns and 580 villages of Barmer and Jaisalmer districts from Indira Gandhi Main Canal with an estimated cost Rs.1444.20 Crores; and proposed project- Barmer Lift Project Phase-II to provide drinking water to 691 villages of Barmer district with an estimated cost of Rs. 797.75 Crores.
6	Bharatpur	There is no non-agricultural unmet demand, except for wildlife in the Keoladeo National Park.	There is an ongoing project to supply water to Keoladeo National Park from Goverdhan Drain which will fill this gap. The estimated cost of the project is Rs. 56.04 Crores. Also, there is an ongoing project - Chambal Dhaulpur Bharatpur Water Supply Project - to supply water to 945 villages in Bharatpur district and 96 villages in Dhaulpur district apart from urban towns of Dhaulpur (partial), Bharatpur, Kumher, Deeg, Nagar and Kaman. The estimated cost of the project is Rs. 477.99 Crores. This project will further strengthen the water supply scenario in Bharatpur district.
7	Bhilwara	Shortages appear for future planning stages in the Suwana block, where the Bhilwara town is located. In addition, the demand of the planned power plant in Mandalgarh block cannot be satisfied for all dependability levels. Thus, the maximum non-agricultural unmet demand of the district is 65 Mm^3/yr or 35 Mm^3/yr depending if the planned power plant is considered or not.	This gap shall be closed once the Chambal Bhilwara Water Supply Project is completed. The estimated cost of the project is Rs. 727.82 Crores. There is another proposed project aimed at transferring 84.0 Mm^3/yr water from Anas River (Mahi basin) to Meja Dam (Bhilwara). The project also includes augmentation of Jaisamand Dam (Udaipur), Rajsamand Dam (Rajsamand) and Bisalpur Dam (Tonk). The total estimated cost of the project is Rs. 3681.30 Crores. This will further augment the water availability in Bhilwara district.
8	Bikaner	There is no non-agricultural unmet demand.	-
9	Bundi	There is no non-agricultural unmet demand.	-

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with associated estimated cost
10	Chittaurgarh	There is no domestic and livestock unmet demand but there are some shortages for the industry and power plant in the Chittaurgarh block.	There are gaps of small amount which can be fulfilled with proper water management.
11	Churu	There is non-agricultural unmet demand in the Sujangarh block, starting from planning stage 2040. For a dependability level of 90% in 2060, it reaches an amount of about 10 Mm^3/yr, out of which 7 Mm^3/yr affect the domestic demand.	A project named Aapni Yojana Phase-II is under consideration to cover 444 villages of Churu district and Jhunjhunu district and 6 towns of Churu district from Sahwa Lift Canal which takes off from Indira Gandhi Main Canal as source with an estimated cost of Rs. 1330.00 Crores. The shortages will be fulfilled after completion of this scheme.
12	Dausa	There is no non-agricultural unmet demand.	-
13	Dhaulpur	There is no non-agricultural unmet demand.	Also, there is an ongoing project - Chambal Dhaulpur Bharatpur Water Supply Project - to supply water to 945 villages in Bharatpur district and 96 villages in Dhaulpur district apart from urban towns of Dhaulpur (partial), Bharatpur, Kumher, Deeg, Nagar and Kaman. The estimated cost of the project is Rs. 477.99 Crores. This project will further strengthen the water supply scenario in Bharatpur district.
14	Dungarpur	There is no non-agricultural unmet demand.	-
15	Ganganagar	There is no non-agricultural unmet demand.	-
16	Hanumangarh	There is no non-agricultural unmet demand.	-
17	Jaipur	The present shortage for Jaipur City will keep increasing to reach a maximum of 240 Mm^3/yr, 370 Mm^3/yr and 450 Mm^3/yr of unmet demand, in 2020, 2040 and 2060 respectively for a dependability level of 90%. At planning stage 2040 and 2060, shortages will even occur for a dependability level of 25% reaching an amount of 35 Mm^3/yr and 120 Mm^3/yr respectively. The maximum total unmet demand for non-agricultural uses in Jaipur district is about 680 Mm^3/yr.	There is a proposed project, Isarda Dam, on Banas River downstream of Bisalpur dam to cater for future water supply to Jaipur city. The proposed gross storage capacity of the dam is 305 Mm^3 and the estimated cost is Rs. 306 Crores. There is another proposed project aimed at transferring of surplus water from Mej River (Chambal basin) near Lakheri in Bundi district to the Ramgarh dam in Jaipur district and Isarda Dam in Tonk district and enroute dams. The proposal envisages pumping of 317.59 Mm^3/yr of flood water from Mej River during the monsoon period into the Ramgarh Dam (28.0 Mm^3/yr), Isarda Dam (173.67 Mm^3/yr) and enroute dams. The estimated cost of project is Rs. 2137.86 Crores. It is also proposed to transfer 300

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with associated estimated cost
			Mm^3/yr water from Anas River in Mahi Basin to Berach River in Banas Basin to augment the Bisalpur Dam. The project also includes augmentation of Jaisamand Dam (Udaipur), Rajsamand Dam (Rajsamand) and Meja Dam (Bhilwara). The total estimated cost of the project is Rs. 3681.30 Crores Hence, to meet the huge demand of Jaipur city in future, the above projects should be implemented on priority.
18	Jaisalmer	There is some non-agricultural unmet demand starting from planning stage 2040, which reaches an amount of about 11 Mm^3/yr for a dependability level of 90% in 2060 and which is mainly located in the Sankra block.	The gaps will be fulfilled after completion of ongoing projects: 1) Barmer Lift Canal Water Supply Project Phase-I for providing drinking water supply to Barmer city, 412 villages of Barmer and 161 villages of Jaisalmer district from Indira Gandhi Main Canal with an estimated cost of Rs. 688.66 Crores, and 2) Pokaran Phalsoond Balotra Lift Water Supply Project for providing drinking water to Pokaran (in Jaisalmer district), Balotra and Siwana towns and 580 villages of Barmer and Jaisalmer districts from Indira Gandhi Main Canal with an estimated cost Rs.1444.20 Crores.
19	Jalore	There is no non-agricultural unmet demand.	-
20	Jhalawar	There is no non-agricultural unmet demand, except for the Kalisindh power plant, which is only a planned power plant and can be met after completion of Kalisindh project.	Completion of Kalisindh project with an estimated cost of Rs. 1415.10 Crores
21	Jhunjhunu	There are no domestic shortages for any dependability level and planning stage but unmet demand appear in the industrial sector of Khetri and Jhunjhunun blocks for planning stage 2040 and 2060. The maximum non-agricultural unmet demand of the district is 20 Mm^3/yr.	A project named Aapni Yojana Phase-II is under consideration to cover 444 villages of Churu district and Jhunjhunu district and 6 towns of Churu district from Sahwa Lift Canal which takes off from Indira Gandhi Main Canal as source with an estimated cost of Rs. 1330.00 Crores. With this scheme and proper water management, additional water will be available for industrial sector.
22	Jodhpur	There is no non-agricultural unmet demand.	-
23	Karauli	There is no non-agricultural unmet demand.	There is an ongoing project to cover 926 villages and four towns of Sawai Madhopur and Karauli district with an estimated cost of Rs. 468.18 Crores. This will further strengthen the drinking

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with associated estimated cost
			water supply scenario in Karauli district.
24	Kota	There is no non-agricultural unmet demand.	-
25	Nagaur	There is no non-agricultural unmet demand.	There as an ongoing project - Nagaur Lift Water Supply Project for 5 towns and 502 villages of Nagaur district. The estimated cost of project is Rs. 761.00 Crores.
26	Pali	There is some non-agricultural unmet demand, mainly located in the Pali block but also in the Rohat block. The maximum non-agricultural unmet demand of the district reaches an amount of about 35 Mm^3/yr for a dependability level of 90% in 2060, out of which 25 Mm^3/yr for domestic use.	There is an ongoing project to save water losses in open canal from Jawai dam to provide safe drinking water to additional 531 villages and 10 towns of Pali district by converting the existing canal system into pipeline from Jawai dam with an estimated cost of Rs. 634.79 Crores. Thus the shortages can be fulfilled by conservation of water being lost in open canal flow through seepage, evaporation and pilferage.
27	Pratapgarh	There is no non-agricultural unmet demand.	-
28	Rajsamand	There are small shortages, located in Bhim, Railmagra and Rajsamand blocks. For planning stage 2020, small shortages of less than 3 Mm^3 appear in the industrial sector and then there is also an unmet demand as regards domestic and livestock uses. The maximum non-agricultural unmet demand of the district is 28 Mm^3/yr, out of which ~ 5 Mm^3/yr for domestic use.	There is a proposed project aimed at transferring 98.5 Mm^3/yr water from Anas River (Mahi basin) to Rajsamand Dam (Rajsamand). The project also includes augmentation of Jaisamand Dam (Udaipur), Meja Dam (Bhilwara) and Bisalpur Dam (Tonk). The total estimated cost of the project is Rs. 3681.30 Crores. This will further augment the water availability in Rajsamand district.
29	Sawai Madhopur	There is no major problem of shortages.	There is an ongoing project to cover 926 villages and four towns of Sawai Madhopur and Karauli district with an estimated cost of Rs. 468.18 Crores. This will further strengthen the drinking water supply scenario in Sawai Madhopur district.
30	Sikar	There are shortages in the Piprali block, where the Sikar town is located, for planning stage 2040 and 2060. The maximum non-agricultural unmet demand of the district is 28 Mm^3/yr.	There is a proposal, Fatehpur-Laxmangarh Project, to provide safe drinking water to the 3 towns (Fatehpur, Laxmangarh and Ramgarh) and 286 villages of Sikar district with IGNP as source. The estimated cost of the project is Rs. 832.00 Crores. To solve the shortage problem of Piprali block this proposal should include supply to Sikar town and villages of Piprali block also.
31	Sirohi	There is no non-agricultural unmet demand.	-

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with associated estimated cost
32	Tonk	There is no non-agricultural unmet demand.	-
33	Udaipur	There are shortages, mainly in the Girwa block, where the Udaipur City is located. The demand is entirely met only for a dependability level of 25% and 50% at present and for a dependability level of 25% in planning stage 2020. The maximum total unmet demand for non-agricultural uses in Udaipur district is 115 Mm^3/yr, out of which about 50 Mm^3/yr of domestic unmet demand in Udaipur City.	There is an ongoing project Dewas Stage-II which consists of construction of two dams (total storage capacity 10.97 Mm^3) near Akodra and Madri villages of Jhadol and Girwa tehsils, respectively of Udaipur district to augment drinking water supply to Udaipur city. The estimated cost of the project is Rs. 379.19 Crores. The Dewas Stage-III is proposed near village Nathiyathal, under this a dam of 13.08 Mm^3 and a 11.05 km long tunnel is to be constructed. Near village Ambawa is proposed the last and fourth Stage of the project in which a dam with a capacity of 15.26 Mm^3 and a tunnel 4.30 km long will be built. The estimated cost of the project is Rs. 568.15 Crores. Also a proposed project aimed at transferring 140.05 Mm^3/yr water from Anas River (Mahi basin) to Jaisamand Dam (Udaipur). The project also includes augmentation of Rajsamand Dam (Rajsamand), Meja Dam (Bhilwara) and Bisalpur Dam (Tonk). The total estimated cost of the project is Rs. 3681.30 Crores. This will further augment the water availability in Udaipur district. There is another proposed project to transfer 131.93 Mm^3/yr water from Jakham Dam to Jaisamand Dam (Udaipur), which will further strengthen the water supply scenario in Udaipur district. The total estimated cost of project is Rs. 85.82 Crores.

Supply Coverage of the Irrigated Agricultural Demand

This category presents the minimum and maximum district-wise supply coverage of the agricultural demand over all dependability levels and planning stages inside CCA on one hand and outside CCA on another hand. The supply coverage inside CCA is expressed as a percentage that represents the part of the total of the district that can be fully exploited. The coverage outside CCA has been analyzed for coverage considering full potential cultivable area as well as considering maximum area irrigated outside CCA during past few years. The district-wise analysis is given below which already includes the plans of rehabilitation of projects to fill gaps.

S. No.	District	Supply coverage of the Irrigated Agricultural Demand		
		Inside CCA of Surface Water Projects	Outside CCA of Surface Water Projects	
			Considering full potential cultivable area	Considering maximum area irrigated during past few years
1	Ajmer	6% to 94%	3% to 8%	27% to 70%
2	Alwar	20% to 90%	11% to 20%	15% to 27%
3	Banswara	24% to 100%	6% to 11%	52% to 95%
4	Baran	60% to 92%	20% to 23%	26% to 29%
5	Barmer	3% to 83%	< 3%	5% to 30%
6	Bharatpur	20% to 58%	14% to 22%	17% to 25%
7	Bhilwara	10% to 82%	5% to 8%	29% to 43%
8	Bikaner	34% to 100%	4% to 8%	25% to 48%
9	Bundi	39% to 96%	11% to 13%	17% to 21%
10	Chittaurgarh	15% to 83%	6% to 11%	14% to 25%
11	Churu	31% to 100%	< 4%	16% to 32%
12	Dausa	27% to 98%	9% to 18%	14% to 28%
13	Dhaulpur	45% to 92%	21% to 29%	32% to 44%
14	Dungarpur	33% to 100%	4% to 7%	33% to 57%
15	Ganganagar	54% to 100%	-	-
16	Hanumangarh	48% to 100%	-	-
17	Jaipur	16% to 76%	7% to 12%	17% to 31%
18	Jaisalmer	6% to 25%	< 2%	7% to 37%
19	Jalore	26% to 97%	7% to 11%	20% to 32%
20	Jhalawar	47% to 95%	17% to 19%	30% to 34%
21	Jhunjhunu	5% to 99%	4% to 9%	7% to 15%
22	Jodhpur	26% to 95%	5% to 9%	22% to 38%
23	Karauli	27% to 100%	22% to 29%	42% to 55%
24	Kota	54% to 95%	19% to 25%	25% to 37%
25	Nagaur	8% to 89%	5% to 9%	23% to 40%
26	Pali	6% to 73%	< 5%	21% to 36%
27	Pratapgarh	25% to 94%	10% to 11%	27% to 32%
28	Rajsamand	1% to 47%	< 5%	7% to 34%
29	Sawai Madhopur	26% to 89%	16% to 20%	26% to 33%
30	Sikar	7% to 68%	3% to 9%	8% to 20%
31	Sirohi	13% to 84%	10% to 16%	32% to 48%
32	Tonk	20% to 96%	12% to 15%	34% to 42%
33	Udaipur	10% to 71%	2% to 7%	11% to 41%

1. Introduction

This is the sixth of nine Final Reports to be submitted by the Consultants according to the Study's Terms of Reference (ToR).

The report depicts water demand of various non-agricultural sectors i.e. urban and rural population, livestock, institutions, cooling of power stations, wildlife and industries as well as irrigated agriculture which is the principal water consumption sector.

Water supply possibilities to meet these demands, from surface and groundwater resources, as well as from sources outside Rajasthan, are studied in the present report on the basis of water resources studies dealt-within the following Final Reports, submitted earlier:

No. 4.2 – Surface and Ground Water Availability,

No. 4.3 – Detailed Study of Catchment Areas, and

No. 4.4 – Groundwater Study by Agroclimatic Zones.

2. Objective

According to the ToR, the Consultants shall "prepare District-wise and Block-wise plans of supply and demand of water for various non-agriculture and agriculture uses, strategies to fill gap and estimated costs"

Consultant shall workout present (2010) water demand and make future water demand projections at three planning stages in years i.e. 2020, 2040 and 2060 – and at four dependability levels or climatic states - 90%, 75%, 50% and 25%.

Accordingly, the water supply and demand balance shall be carried out for 16 different scenarios.

3. Approach

The Consultants have approached the present study of water supply and demand with a special sense of importance, because its outcome is a water balance that should guide the planning and priority of new development schemes with particular attention to the higher priority for drinking water supplies and possible need to provide for future reserve allocations for that sector. Priorities of water allocation between different sectors of water uses has been based on the State Water policy, February 2010.

The surface water availability from within Rajasthan has been considered for present (2010) and for future planning stages of 2020, 2040 and 2060 and at four dependability levels of 90%, 75%, 50% and 25% considering the storage/diversion capacities of Major, Medium and Minor projects as well as other water harvesting structures such as anicuts, nadis, talabs, etc. The share of Rajasthan in outside State waters (imported water) has also been considered for present (2010) and for future planning stages of 2020, 2040 and 2060 and at four dependability levels of 90%, 75%, 50% and 25% as per the inter-State agreements. The long-term fresh dynamic groundwater availability considering groundwater quality has only been considered as available for utilization as per Final Report No. 4.4.

Water demand of various non-agricultural sectors i.e. domestic, livestock, institutions, cooling of power stations, wildlife and industries as well as irrigated agriculture has

been assessed for present (2010) and for future planning stages of 2020, 2040 and 2060 and at four dependability levels of 90%, 75%, 50% and 25%, as applicable.

Based on the water availability and water demands, the water supply and demand balance has been carried out for the 16 different scenarios considering the present and future planning stages and various dependability levels using WEAP tool.

4. Methodology

Whereas water demands can be analysed and quantified by districts and blocks, the potential of water resources to meet these demands must be quantified per river basin. Therefore, the methodology of the present study is two-tiered: 1) studying the demand for water by the different consumption sectors in each of the State's 33 districts and 249 blocks, and 2) studying water resources availability for supply in each river basin. Subsequently, estimating the water resources availability for supply for each block and district considering the location of storage/diversion structures and their respective supply areas. These result in district-wise and block-wise demand and supply balances.

The methodology adopted for water demand estimation has been detailed in Part B of this report. The water availability is based on Final Report No. 4.2 on Surface and Ground Water Availability, Final Report No. 4.3 on Detailed Study of Catchment Areas, and Final Report No. 4.4 on Groundwater Study by Agroclimatic Zones. Part C of this report explains in detail the inputs from the reports on water availability for water supply and demand balance.

Many regions are facing formidable freshwater management challenges. Allocation of limited water resources, environmental quality and policies for sustainable water use are issues of increasing concern. Conventional supply-oriented simulation models are not always adequate. Over the last decade, an integrated approach to water development has emerged which places water supply projects in the context of demand-side issues.

For the purpose of block-wise water demand and supply balances, the Consultants have used the **W**ater **E**valuation **A**nd **P**lanning (WEAP) tool. The Water Evaluation and Planning (WEAP) system aims at incorporating the water availability and demand into a practical tool for water resources planning. WEAP is distinguished by its integrated approach to simulating water systems and by its strategy flexibilities. WEAP places the demand side of the equation - various water use and its patterns, equipment efficiencies, and allocation - on an equal footing with the supply side - streamflow, groundwater, reservoirs and water transfers. WEAP is a laboratory for examining alternative water development and management strategies.

WEAP is comprehensive, straightforward and easy-to-use, and attempts to assist rather than substitute the skilled planner. As a database, WEAP provides a system for maintaining water demand and supply information. As a forecasting tool, WEAP simulates water demand, supply, flows, and storage. As a policy analysis tool, WEAP evaluates a full range of water development and management options, and takes account of multiple and competing uses of water systems.

Further details on methodology for water supply and demand balance using WEAP tool are given in Part C of this report.

Water Supply and Demand by Districts

PART B – Water Demand

1. Computation of Water Demands

1.1 General

District-wise and Block-wise water requirement estimates are based on

- data on urban and rural population, based on the 2011 census and its projections,
- norms of urban and rural domestic water requirements per capita, established by Rajasthan PHED and as per new guidelines of NRDWP issued by MoRD, Govt. of India,
- livestock population by type, based on Rajasthan Directorate of Animal Husbandry and its projections,
- norms of livestock water requirements per capita based on Rajasthan Directorate of Animal Husbandry,
- data on industries and industrial areas and its projections,
- norms of industrial water requirement per acre of industrial area developed as per RIICO,
- data on power stations, state owned and others and its projections,
- data on cooling water requirement of power stations, by type
- data on wildlife and forests based on Forest Department of Rajasthan and its projections,
- cropping patterns in irrigated areas, and
- crop water requirements, by crop

1.2 Approach

Water demands for the following scenarios have been estimated.

1) Water requirements have been estimated for year 2010, 2020, 2040 and 2060 and at four dependability levels of 25%, 50%, 75% and 90%.
2) Net irrigation water requirements in the surface water and groundwater irrigated areas are based on crop water requirement as per prevailing cropping pattern (Agriculture Department). While estimating the gross irrigation water requirements for present condition has been estimated considering the existing irrigation practices while for future the improvement in irrigation practices and effect of more efficient irrigation methods have been considered.

1.3 Priorities

According to the document State Water Policy (SWP), February 2010, State Water Resources Planning Department, Rajasthan, Jaipur, water allocation priorities for water resources management and planning purposes, are as follows:

human drinking water
livestock drinking water
other domestic, commercial and municipal water uses
agriculture
power generation
environmental and ecological
industrial
non-consumptive uses, such as cultural, leisure and tourist uses

The SWP also states that any departure from the above priorities will require consideration on a case-by-case basis.

2. Population and Domestic Water Demand

2.1 Introduction

The Census of India 2011 reveals that since independence, Rajasthan has continued to maintain its record of registering one of the highest population growth rates in the country. Its reported annual growth rate of 2.13 percent is around 30 percent higher than that recorded for the country as a whole. It has doubled in a period of less than 29 years since 1951.

Rajasthan is divided into seven administrative divisions and 33 districts. The districts are further divided into 244 Tehsils and 249 Blocks. More than almost half of all the inhabited villages in the State, numbering 44,672, have fewer than 500 inhabitants each. About 25% of ~69 million population of the State resided in 297 towns in 2011.

Water is indeed a critical resource, because the State, which occupies 10.4 percent of the total area of the country and has about 5.6 percent of its population, is endowed with only 1 percent of the total surface water resources of the country. The ground water table is declining deeper and deeper owing to unchecked exploitation and scanty and erratic rainfall. Agriculture is, thus, still dependent on the vagaries of the Monsoon.

2.2 Demographic Scenario

From a demographic perspective, Rajasthan is one of India's most critical states; it recorded the highest growth rate among the major states of India in the 1971-81 and 1981-91 decades. With a decadal growth rate of 28.3% during the nineties (1991-2001), the State ranked second after Bihar, which recorded the highest growth rate in the country - 28.4% while for decade 200-2011 its growth rate has decreased (21.3%) which is the 11th highest growth rate in the country. Table B-2.1 presents some basic demographic information about India and Rajasthan.

Table B-2.1 Socio-Demographic Profile, India and Rajasthan, 2011

		India		Rajasthan	
Population	Persons	1,210,569,573		68,548,437	
	Male	623,121,843		35,550,997	
	Female	586,447,730		32,997,440	
Decadal Population Growth 2001-2011		Absolute	Percentage	Absolute	Percentage
	Persons	181,959,458	17.69	12,041,249	21.31
	Male	90,935,182	17.09	6,130,986	20.84
	Female	90,994,276	18.33	5,910,263	21.82
Population Density, per km^2		382		200	
Sex Ratio (females per 1000 males)		943		928	
Population in the age group 0 – 6		Absolute	% of Total Population	Absolute	% of Total Population
	Persons	164,478,150	13.59	10,649,504	15.54
	Male	85,732,470	13.76	5,639,176	15.86
	Female	78,745,680	13.40	5,010,328	15.18
Literates		Absolute	Literacy rate	Absolute	Literacy rate
	Persons	763,498,517	72.99	38,275,282	66.11

		India		Rajasthan	
Population	Persons	1,210,569,573		68,548,437	
	Male	623,121,843		35,550,997	
	Female	586,447,730		32,997,440	
	Male	434,683,779	80.89	23,688,412	79.19
	Female	328,814,738	64.64	14,586,870	52.12

Source: Census of India, 2011

To an estimated population of 56.5 million on March 1, 2001, the State has added more than 1.2 million people by the year 2010-11. Compare these figures to less than 0.4 million in the year 1956-57 when the present State of Rajasthan was a relatively recent phenomenon. After decades of very slow or minimal population growth, the State's population began to increase rapidly in the 1950s as a result of improvements in public health, which contributed to a steep decline in death rates without a corresponding decline in birth rates. The population grew from 10 million in 1901 to 16 million in 1951, but from 1951 to 2011 it grew about four and a quarter times to 68.5 million.

The most important reasons for the accelerating growth rate of population in Rajasthan are the nearly constant fertility and rapidly declining mortality.

2.3 Size, Growth Rate and Distribution of Population

Rajasthan is the largest state in area in India, with 342,263 km^2. According to the Census 2011, Rajasthan has registered a population of 68,548,437 by adding 12,041,249 persons to the total population of 56,507,188 in Census 2001. The decadal growth rate of the State has significantly declined from 28.41% in 1991-2001 to 21.31% in 2001-2011, registering a net decrease of 7.10%. Table B-2.3 below shows the percentage decadal growth rate at the State level as well as at the district levels during the decades 1991-2001 and 2001-2011. All the districts of the State show a declining trend in the growth rate during the last decade.

Fifteen districts have reported higher growth rates than the State average of 21.31% during the decade 2001-2011. These are Barmer, Jaisalmer, Jodhpur, Banswara, Jalore, Jaipur, Dungarpur, Kota, Bikaner, Dausa, Udaipur, Alwar, Pratapgarh, Dhaulpur and Sirohi. Barmer registered the highest growth rate of 32.52%, whereas the growth rate of Ganganagar is the lowest at 10.04%. The desert districts of Barmer, Jaisalmer, Jodhpur, Jalore and Bikaner have attained higher growth rates ranging from 24.28 to 32.52 percent. The districts of Jaisalmer and Barmer show a surprising growth rate of 31.81% and 32.52%, respectively, although it is lower than their 2001 rate of 47.52 and 36.90%, respectively. Likewise, Banswara, Dungarpur, Udaipur and Pratapgarh Districts, which constitute the tribal belt of Rajasthan, have also exhibited higher growth rates, ranging from 22.78 to 27.40% during the decade 2001-11. The decline in growth rate in these districts appears marginal (see Table B-2.3).

Table B-2.2 Decadal Growth Rates of First Five and Last Five Districts in percent

Districts	2001 - 2011	1991 - 2001
Highest		
Barmer	32.52	36.90
Jaisalmer	31.81	47.52
Jodhpur	27.74	34.04
Banswara	27.40	29.62
Jalore	26.21	26.81
Lowest		
Ganganagar	10.04	27.59
Jhunjhunu	11.67	20.93
Pali	11.94	22.46
Bundi	15.40	24.98
Chittaurgarh	16.08	20.44

Source: Census of India, 2011

Between Census 2001 and Census 2011 the sharpest decline in decadal growth rate is reported in Ganganagar (-17.55 percent) followed by Jaisalmer (-15.71), Bikaner (-13.43), Pali (-10.52) and Nagaur (-10.18). On the other hand, in Jalore (-0.60), Dungarpur (-1.29), Banswara (-2.22), Rajsamand (-2.78), and Udaipur (-3.88), which are the tribal districts of the State, the decline in growth rates has been minimal.

Table B-2.3 District-Wise Decadal Population Growth Rate, %

State/ District	Percentage Decadal Growth Rate of Population		
	1991-01	2001-11	Difference
Rajasthan	28.41	21.31	-7.10
Ajmer	26.17	18.40	-7.77
Alwar	30.31	22.78	-7.53
Banswara	29.62	27.40	-2.22
Baran	26.08	19.68	-6.40
Barmer	36.90	32.52	-4.38
Bharatpur	27.22	21.29	-5.93
Bhilwara	26.39	19.60	-6.79
Bikaner	37.71	24.28	-13.43
Bundi	24.98	15.40	-9.58
Chittorgarh	20.44	16.08	-4.36
Churu	23.51	20.25	-3.26
Dausa	32.40	24.09	-8.31
Dholpur	31.19	22.71	-8.48
Dungarpur	26.65	25.36	-1.29
Ganganagar	27.59	10.04	-17.55
Hanumangarh	24.39	16.91	-7.48
Jaipur	35.06	26.19	-8.87
Jaisalmer	47.52	31.81	-15.71
Jalore	26.81	26.21	-0.60
Jhalawar	23.34	19.55	-3.79
Jhunjhunu	20.93	11.67	-9.26
Jodhpur	34.04	27.74	-6.30

State/ District	Percentage Decadal Growth Rate of Population		
	1991-01	2001-11	Difference
Karauli	30.40	20.55	-9.85
Kota	28.51	24.39	-4.12
Nagaur	29.38	19.20	-10.18
Pali	22.46	11.94	-10.52
Pratapgarh	27.61	22.78	-4.83
Rajsamand	19.96	17.18	-2.78
Sawai Madhopur	27.54	19.56	-7.98
Sikar	24.14	17.03	-7.11
Sirohi	30.13	21.76	-8.37
Tonk	24.27	17.30	-6.97
Udaipur	27.42	23.21	-4.21

Source: Census of India, 2011

Jaipur remains the most populated district of the State, with a population of 6,626,178 in 2011. Its ratio to total population of the State has increased from 9.29% in 2001 to 9.67% in 2011. Jodhpur is the second largest district with a total population of 3,687,165. Alwar, which was 2nd largest district in 2001, has slipped to 3rd rank in 2011 (see Table B-8.4). The gap in the total population of these two districts is very low by year 2011. Nagaur, Udaipur and Sikar have retained their ranks. Barmer has jumped from 10th rank in 2001 to 7th in 2011. It is interesting to note that the gap between the districts in the total population by year 2011 at rank 1 and 2, i.e. of Jaipur and Jodhpur, is about 3 million, which is quite significant. Jaipur is almost 10 times more populous than Jaisalmer according to the 2011 Census. As the rank of the districts descends, the gap between their populations is gradual as may be seen from Table B-2.4.

Table B-2.4 Ranking of Districts by Population Size, 2001 and 2011

Rank in 2011	District	Population 2011	Population 2001	Rank in 2001
1	Jaipur	6,626,178	5,251,071	1
2	Jodhpur	3,687,165	2,886,505	3
3	Alwar	3,674,179	2,992,592	2
4	Nagaur	3,307,743	2,775,058	4
5	Udaipur	3,068,420	2,490,328	5
6	Sikar	2,677,333	2,287,788	6
7	Barmer	2,603,751	1,964,835	10
8	Ajmer	2,583,052	2,181,670	7
9	Bharatpur	2,548,462	2,101,142	8
10	Bhilwara	2,408,523	2,013,789	9
11	Bikaner	2,363,937	1,902,110	12
12	Jhunjhunu	2,137,045	1,913,689	11
13	Churu	2,039,547	1,696,039	15
14	Pali	2,037,573	1,820,251	13
15	Ganganagar	1,969,168	1,789,423	14
16	Kota	1,951,014	1,568,525	16
17	Jalore	1,828,730	1,448,940	18
18	Banswara	1,797,485	1,410,930	19

Rank in 2011	District	Population 2011	Population 2001	Rank in 2001
19	Hanumangarh	1,774,692	1,518,005	17
20	Dausa	1,634,409	1,317,063	21
21	Chittaurgarh	1,544,338	1,330,360	20
22	Karauli	1,458,248	1,209,665	23
23	Tonk	1,421,326	1,211,671	22
24	Jhalawar	1,411,129	1,180,323	24
25	Dungarpur	1,388,552	1,107,643	26
26	Sawai Madhopur	1,335,551	1,117,057	25
27	Baran	1,222,755	1,021,653	27
28	Dhaulpur	1,206,516	983,258	29
29	Rajsamand	1,156,597	987,024	28
30	Bundi	1,110,906	962,620	30
31	Sirohi	1,036,346	851,107	31
32	Pratapgarh	867,848	706,807	32
33	Jaisalmer	669,919	508,247	33

Source: Census of India, 2011

At the bottom of the ladder is Jaisalmer district with just nearly 1% share of the total State population (see Table B-2.5).

Of the 33 districts of the State, 17 have reported decline in the proportion of their population to the State's total, one has no difference (see Table B-2.5) while the remaining 15 claim an increased share. Jaipur, Barmer, Jodhpur, Alwar, Udaipur, Kota, Bikaner, are the main districts where the proportion has increased. It is noteworthy that of these, Jaipur, Jodhpur, Kota and Bikaner have Municipal Corporations. Among the major districts, this proportion has declined in Ajmer and remained constant in Bharatpur.

Table B-2.5 District Population as Percentage of State Population, %

District	Percentage of State Population		Difference
	2011	2001	
Ajmer	3.77	3.86	-0.09
Alwar	5.36	5.30	+0.06
Banswara	2.62	2.50	+0.13
Baran	1.78	1.81	-0.02
Barmer	3.80	3.48	+0.32
Bharatpur	3.72	3.72	+0.00
Bhilwara	3.51	3.56	-0.05
Bikaner	3.45	3.37	+0.08
Bundi	1.62	1.70	-0.08
Chittorgarh	2.25	2.35	-0.10
Churu	2.98	3.00	-0.03
Dausa	2.38	2.33	+0.05
Dhaulpur	1.76	1.74	+0.02
Dungarpur	2.03	1.96	+0.07
Ganganagar	2.87	3.17	-0.29
Hanumangarh	2.59	2.69	-0.10
Jaipur	9.67	9.29	+0.37
Jaisalmer	0.98	0.90	+0.08

District	Percentage of State Population		Difference
	2011	2001	
Jalore	2.67	2.56	+0.10
Jhalawar	2.06	2.09	-0.03
Jhunjhunu	3.12	3.39	-0.27
Jodhpur	5.38	5.11	+0.27
Karauli	2.13	2.14	-0.01
Kota	2.85	2.78	+0.07
Nagaur	4.83	4.91	-0.09
Pali	2.97	3.22	-0.25
Pratapgarh*	1.27	1.25	+0.02
Rajsamand	1.69	1.75	-0.06
Sawai Madhopur	1.95	1.98	-0.03
Sikar	3.91	4.05	-0.14
Sirohi	1.51	1.51	+0.01
Tonk	2.07	2.14	-0.07
Udaipur	4.48	4.41	+0.07

Source: Census of India, 2011

2.4 Decadal Variation in Rajasthan Population Since 1901

The population of the State has increased more than six fold from 1901 to 2011. It was 10,294,090 in 1901 and increased to 68,548,437 in 2011, adding 58,254,347 persons. The State witnessed a sharp decline in population, of 690,861, during the decade 1911-1921 due to epidemics and famine, which took a heavy toll on life. Since then, a fluctuating trend is seen in the growth rate of State population. It increased up to 1941 and dipped up to1951 because of the partition of the country. Again, the growth rate of the population showed an increasing trend up to 1981, reaching ~33%. The growth rates reached a plateau during 1981-1991 and 1991-2001 at 28.44 to 28.41%. The 2011 Census brings the news of sharp decline in growth rate after two decades, from 28.44 to 21.31%, as shown in Table B-2.6. It is also to be noted that this trend is prevalent across all districts.

Table B-2.6 Percentage Decadal Variation in Rajasthan Population 1901-2011

Year	Population	Decadal Variation	Percentage Decadal Growth
1901	10,294,090	-	-
1911	10,983,509	+689,419	+6.70
1921	10,292,648	-690,861	-6.29
1931	11,747,974	+1,455,326	+14.14
1941	13,863,859	+2,115,885	+18.01
1951	15,970,774	+2,106,915	+15.20
1961	20,155,602	+4,184,828	+26.20
1971	25,765,806	+5,610,204	+27.83
1981	34,261,862	+8,496,056	+32.97
1991	4,4005,990	+9,744,128	+28.44
2001	56,507,188	+12,501,198	+28.41
2011	68,548,437	+12,041,249	+21.31

Source: Census of India, 2011

2.5 Decadal Variation of District Populations

Table B-2.7 presents the per-district variation in total, urban and rural population.

Table B-2.7 Decadal Growth Rate of Urban and Rural Population by District

India/Rajasthan / District	Population 2011			Percentage Decadal Growth, 2001-2011		
	Total	Rural	Urban	Total	Rural	Urban
India	1,210,569,573	833,463,448	377,106,125	17.69	12.25	31.80
Rajasthan	68,548,437	51,500,352	17,048,085	21.31	18.96	29.01
Ajmer	2,583,052	1,547,642	1,035,410	18.40	18.41	18.38
Alwar	3,674,179	3,019,728	654,451	22.78	18.07	50.47
Banswara	1,797,485	1,669,864	127,621	27.40	28.10	18.87
Baran	1,222,755	968,541	254,214	19.68	13.99	47.79
Barmer	2,603,751	2,421,914	181,837	32.52	33.11	25.06
Bharatpur	2,548,462	2,053,363	495,099	21.29	21.34	21.06
Bhilwara	2,408,523	1,895,869	512,654	19.60	18.57	23.58
Bikaner	2,363,937	1,563,553	800,384	24.28	23.89	25.05
Bundi	1,110,906	888,205	222,701	15.40	13.43	24.02
Chittaurgarh	1,544,338	1,259,074	285,264	16.08	15.18	20.24
Churu	2,039,547	1,463,312	576,235	20.25	21.45	17.32
Dausa	1,634,409	1,432,616	201,793	24.09	21.28	48.58
Dhaulpur	1,206,516	959,066	247,450	22.71	18.90	40.10
Dungarpur	1,388,552	1,299,809	88,743	25.36	26.59	9.75
Ganganagar	1,969,168	1,433,736	535,432	10.04	7.31	18.10
Hanumangarh	1,774,692	1,424,228	350,464	16.91	17.27	15.46
Jaipur	6,626,178	3,154,331	3,471,847	26.19	18.63	33.94
Jaisalmer	669,919	580,894	89,025	31.81	34.51	16.53
Jalore	1,828,730	1,676,975	151,755	26.21	25.25	37.97
Jhalawar	1,411,129	1,181,838	229,291	19.55	16.77	36.29
Jhunjhunu	2,137,045	1,647,966	489,079	11.67	8.52	23.78
Jodhpur	3,687,165	2,422,551	1,264,614	27.74	26.87	29.43
Karauli	1,458,248	1,240,143	218,105	20.55	19.51	26.85
Kota	1,951,014	774,410	1,176,604	24.39	6.09	40.31
Nagaur	3,307,743	2,670,539	637,204	19.20	16.23	33.49
Pali	2,037,573	1,577,567	460,006	11.94	10.37	17.68
Pratapgarh	867,848	796,041	71,807	22.78	23.55	14.85
Rajsamand	1,156,597	972,777	183,820	17.18	13.34	42.80
Sawai Madhopur	1,335,551	1,069,084	266,467	19.56	18.21	25.31
Sikar	2,677,333	2,043,427	633,906	17.03	12.57	34.15
Sirohi	1,036,346	827,692	208,654	21.76	18.21	38.28
Tonk	1,421,326	1,103,603	317,723	17.30	15.14	25.50
Udaipur	3,068,420	2,459,994	608,426	23.21	22.36	26.80

Source: Census of India, 2011

The data of rural and urban population upto Tehsil level as per Census 2011 is given in Appendix B-1. The Tehsil level data was converted to Block level considering the percentage of the areas of different Tehsil falling in each Block as given in Appendix

B-2. The adjusted Block-wise rural and urban population figures are also given in Appendix B-1.

2.6 Population Density

One of the important indices of a nation's demography is the density of population. It is expressed as the number of persons per square kilometre. As the area of the State is static, with the increase of population the population density is bound to increase. In the last decade, the population density of Rajasthan has increased from 165 to 200 persons per km^2 (see Table B-2.8).

Table B-2.8 Population Density in Rajasthan, 1901-2011

Census Year	Density, Persons per km^2
1901	30
1911	32
1921	30
1931	34
1941	41
1951	47
1961	59
1971	75
1981	100
1991	129
2001	165
2011	200

Source: Census of India 2011

The population density of the State has increased more than six times during the last 100 years. During the years 1911-1921 the density decreased from 32 to 30 but has registered an increasing trend thereafter. This trend is a matter of concern, as high population density puts increasing pressure on the State's scarce natural resources and also adversely affects the quality of life.

The following Table B-2.9 shows the change in population density during the last decade, by district.

Table B-2.9 Ranking of Districts by Population Density, 2001 and 2011

State/Union Territories /Districts	Density per km^2		Rank in 2011	Rank in 2001
	2011	2001		
Rajasthan	200	165		
Jaipur	595	471	1	1
Bharatpur	503	415	2	2
Dausa	476	384	3	3
Alwar	438	357	4	4
Dhaulpur	398	324	5	5
Banswara	397	312	6	7
Kota	374	301	7	8
Dungarpur	368	294	8	10
Jhunjhunu	361	323	9	6
Sikar	346	296	10	9
Ajmer	305	257	11	11

State/Union Territories /Districts	Density per km^2		Rank in 2011	Rank in 2001
	2011	2001		
Sawai Madhopur	297	248	12	12
Karauli	264	219	13	13
Udaipur	262	212	14	14
Rajsamand	248	212	15	15
Bhilwara	230	193	16	16
Jhalawar	227	190	17	17
Sirohi	202	166	18	21
Tonk	198	168	19	19
Chittaurgarh	197	170	20	18
Pratapgarh	195	159	21	23
Bundi	192	167	22	20
Nagaur	187	157	23	25
Hanumangarh	184	157	24	24
Ganganagar	179	163	25	22
Baran	175	146	26	27
Jalore	172	136	27	28
Pali	164	147	28	26
Jodhpur	161	126	29	29
Churu	147	123	30	30
Barmer	92	69	31	31
Bikaner	78	63	32	32
Jaisalmer	17	13	33	33

Source: Census of India 2001 and 2011

Jaipur district is the most densely populated in the State, with 595 persons per km^2 (see Table B-2.10). Bharatpur and Dausa Districts come next with population densities of 503 and 476, respectively. Jaisalmer is the most thinly populated district with just 17 persons per km^2.

Not only is Jaipur the most densely populated district in the State, its rate of growth is also the highest: its population density per km^2 has increased by 124 during the decade 2001-11. Dausa district comes next with an increase of 92 persons per km^2 (see Table B-2.10). On the other hand, Jaisalmer district has registered an increase of just 4 persons per km^2 (see Table B-2.11).

Table B-2.10 Districts with Maximum Increase in Population Density

District	Population Density		Increase per km^2
	2001	2011	
Jaipur	471	595	+124
Dausa	384	476	+92
Bharatpur	415	503	+88
Banswara	312	397	+85
Alwar	357	438	+81

Source: Census of India 2001 and 2011

Table B-2.11 Districts with Minimum Increase in Population Density

District	Population Density		Increase per km^2
	2001	2011	
Jaisalmer	13	17	+4
Bikaner	63	78	+15
Ganganagar	163	179	+16
Pali	147	164	+17
Barmer	69	92	+23

Source: Census of India 2001 and 2011

According to the 2001 Census, 21 districts had a population density above the State average. However, in Census 2011 only 18 districts have a population density above the State average of 2011. The three districts that have moved down in 2011 are Chittaurgarh, Tonk Bundi and Chittaurgarh. The increasing population density in the districts of Banswara and Dungarpur is an interesting trend as it does not fall in the overall regional pattern.

2.7 Migration

The population of an area or a state grows as a result of both natural increase (births minus deaths) and the inflow of migrants exceeding the outflow. The in-migration has not been appreciable in Rajasthan in the past, since it was a net out-migration region. However, since 1981 migration from outside has contributed to some extent to the growth of the State population. During the 1990s the State population increased by some 12.5 million; out of this, 93% was contributed by natural increase and 7% by in-migration. During the 1980s, in-migration contributed only 5% of the total increase of 9.7 million persons (see Table B-2.12).

Table B-2.12 Net Increase in Rajasthan Population

Item	Millions	%
Population in 1991	44.06	
Population in 1981	34.262	
Net increase in population (1981-1991)	9.744	100.0
Increase due to natural increase	9.266	95.1
Increase due to in-migration	0.478	4.9
Population in 2001	56.473	
Population in 1991	44.006	
Net increase in population (1991-2001)	12.467	100.0
Increase due to natural increase	11.598	93.0
Increase due to in-migration	0.869	7.0

Migration is a significant component of population growth. The only source of information on migration is the decennial census, which provides some data on the place of last residence and the place of birth of an individual. The lifetime migration data (based on the place-of-birth concept) available from the 1951, 1961, 1971, 1981 and 1991 censuses show that the extent of inter-state migration was very much limited and did not affect the growth of population in the State to any significant extent. Rajasthan has been characterized as a net out-migration state, as about 5% of Rajasthan-born population was enumerated in other states of India, while only 3.7% of the State population was born in other states (Kothari, 1990).

However, if we concentrate only on those migrants who moved in and out during the 1980s and 1990s, the data indicate that the inflow of migrants into Rajasthan exceeds the outflow, as noted earlier. Most of these migrants are from the contiguous states – Uttar Pradesh, Madhya Pradesh, Punjab, Haryana and Gujarat. Females dominate the inter-state migration stream; movement of females across the State boundary is twice that of males. The data relating to migration indicate that about 70 per cent moved into the State and 63 per cent moved out of the State for the same reason - as a consequence of marriage. Among the male inter-state migrants, employment was the main motivational factor for moving into the State as well as moving out.

International migration, mostly from Pakistan, accounted for less than 1% of the total population in 1991, as compared to 1.5% in 1961. Most of these international migrants were 'forced' migrants, that is, those compelled to migrate at the time of the partition of the Indian sub-continent in 1947 (see Table B-2.13).

Table B-2.13 Number of Inter-State Migrants

Migration Status	Persons, in thousands	Male, in thousands	Female, in thousands
1971 Census			
In-migration	856	298	558
Out-migration	1366	648	718
Net migration	-510	350	- 160
1981 Census			
In-migration	1227	419	808
Out-migration	1683	721	962
Net migration	- 456	- 302	- 154

Source: Devendra Kothari, Growing population in Rajasthan: Some emerging Issues, IIHMR Occasional Paper No.1, Institute of Health Management Research, Jaipur; 1990

2.8 Urbanization

Urbanization is a process of great demographic significance. It transfers population to a very different physical, social and economic environment. The urban population of Rajasthan was 13.2 million in 2001 which has increased to 17.0 million in 2011. The proportion of urban population to total population in Rajasthan is relatively low, only 23.4% according to Census 2001 and 24.9% according to census 2011. It is also increasing at a slow pace (see Table B-2.14). In 2001, more than 57% of the urban population of Rajasthan lived in 20 Class I cities, with a population of 100,000 and more which has increased to 61% in 2011 (in 29 Class I cities). The proportion of urban population living in towns with a population of 20,000 or less has been declining. Around 18% of the State's urban population was enumerated in Jaipur, the capital city of the State.

Table B-2.14 Annual Growth Rates

Year	Urban Population, in millions	% of total population
1951	2.59	16.22
1961	3.28	16.28
1971	4.54	17.62
1981	7.21	21.04

Year	Urban Population, in millions	% of total population
1991	10.06	22.95
2001	13.21	23.39
2011	17.05	24.87

Source: Census of India, 2001 and 2011

2.9 Population Projections

2.9.1 Introduction

The demographic scenario of a region depends upon a number of inter-dependent man-made and natural factors or causes, such as the geography of the region, available resources, social structure of the community, economic development, education level, birth and mortality rates, etc. Beside these factors, natural and man-made disasters also shape the demographic pattern. Naturally, the effect of all these complex factors cannot be compressed in few mathematical formulae and anticipations. Population projections give a broad perspective of the population data in the coming decades and may be used for macro planning of water resources for optimal results. The projections need to be validated based on the population data collected subsequently and advances in the methodologies used to compute the data.

Water requirements for domestic use are based on the present population figures of Census 2011, which is considered to represent the population and demand of year 2010.

2.9.2 Methodology

The methodology adopted for population projections has been considered viable by the consultant as that being adopted by the Statistical Department of Govt. of Rajasthan in population projections. The ratio method has been found suitable by the Govt. of Rajasthan for population projections. The ratio method is described as below.

a. Firstly, the State total population has been projected by fitting a multinomial curve to the Census population of 1961, 1971, 1981, 1991, 2001 and 2011. State rural total population has also been projected similarly by fitting multinomial curve of suitable degree. State urban total population projection has been obtained by subtraction of State total population by State rural population.

b. The district-wise population projections have been done by ratio method which is considered as the satisfactory procedure for projecting the population of sub-divisions of a country or state where its population has been projected by some other method. It has been anticipated that the population growth rate would gradually diminish to zero by year 2060, as targeted by the National Population Policy 2000 (NPP). But as per Consultant's projections, the growth rate would diminish to zero by the year 2070.

District population projections by Ratio Method

First, the ratio of each District to the total population of the State is computed for each Census from 1981 to 2011. On the basis of past trends the Districts are divided into the following three groups:-

Group I: Districts in which the ratios show a consistent trend of change from 1981 to 2011.

Group II: Districts in which the trend of change in the ratios for 2001-2011 was same as for 1991-2001 but different for 1981-91.

Group III: Districts for which the trend of change in the ratios for 2001-2011 was different from that for 1991-2001, whatever may be the trend in 1981 - 1991.

The following assumptions are made for each group with respect to the initial rate of change in ratios (r_o).

The formula for annual rate of change r is $\frac{2(P_t - P_o)}{t(P_t + P_o)}$

where, Pt represents the proportion at the end of the period, Po, the proportion at the beginning of the period and t represents the number of years in the period.

Group I: The rate of change in the ratios is same as the average annual rate of change in the ratio of 1981-2011, 1991-2011 or 2001-2011 whichever is the least in absolute value (closest to zero).

Group II: The rate of change is the same as the average annual rate of change for 1981-2011 or 2001-2011 whichever is less.

Group III: The rate of change is 1/2 of the average annual rate of change for 2001-2011.

As the trends in ratios during the period immediately prior to 2011 would be of greater value for the purpose of projection than trends in the remote past, all the rates of change in the ratios have been computed with respect to the 2011 Census ratios.

It can be assumed that the initial rate of change (ro) is amortised linearly and becomes zero in 20 years.

The rates of change so determined are used to project the ratios for future years by the following formula:

$$R_j^{t+n} = R_j^t (1+r_o)(1+r_1).....(1+r_{n-1})$$

Where R_j^t is the ratio of the j^{th} District at base period t, i.e. 2011. The rates of change after one year, after two years, after n years will be:

$$r_1 = r_o(1-1/n); r_2 = r_o(1-2/n).....$$

$$r_{n-1} = r_o\left(1-\frac{n-1}{n}\right), \text{ respectively.}$$

Having obtained R_j^t (t=2011) and having determined annual rates of change of r_0, r_1, r_2, ..., r_{n-1} for each District (j) the value of the ratios of the District population to total population (i.e. R_j^{t+n}) for each subsequent year (n=1, 2, ..., 10) have been computed by the above formula.

The estimate for jth District population for (t+n)th year is given by

$$P_{(t+n)j} = R_j^{t+n} P_{(t+n)}$$

where

$P_{(t+n)j}$ = population after n years of t^{th} year (2011 Census) (n=1,2,....., 10) of j^{th} District,

$R_j^{(t+n)}$ = ratio of j^{th} District population to total state population during $(t+n)^{th}$ year,

P_{t+n} = population of state during $(t+n)^{th}$ year.

This Ratio Method has also been adopted to project rural District population on the assumption that trend of proportion of District population to State population in rural areas was almost similar to that of total area.

In projecting rural District population, the ratio of rural District population to the total State rural population has been computed for each Census from 1981 to 2011, and then, after dividing the Districts into three groups, as explained above, the rural ratios for each District have been computed in order to project District rural population figures.

The details of population projection are given in Appendix B-3. District-wise summary of projected population is given in Table B-2.15.

Table B-2.15 District-wise Present (2010) and Projected Population

S. No.	District	Population 2010 (as per Census 2011)			Population 2020			Population 2040			Population 2060		
		Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
1	Ajmer	1,547,642	1,035,410	2,583,052	1,805,097	1,181,179	2,986,276	2,238,676	1,441,940	3,680,616	2,500,604	1,637,215	4,137,819
2	Alwar	3,019,728	654,451	3,674,179	3,512,696	877,801	4,390,497	4,340,908	1,315,605	5,656,513	4,842,844	1,614,050	6,456,894
3	Banswara	1,669,864	127,621	1,797,485	2,091,591	129,557	2,221,148	2,854,451	138,827	2,993,278	3,295,336	174,862	3,470,198
4	Baran	968,541	254,214	1,222,755	1,091,166	336,453	1,427,619	1,291,842	491,085	1,782,927	1,420,118	593,401	2,013,519
5	Barmer	2,421,914	181,837	2,603,751	3,140,276	193,752	3,334,028	4,489,460	223,590	4,713,050	5,266,738	288,141	5,554,879
6	Bharatpur	2,053,363	495,099	2,548,462	2,448,804	562,956	3,011,760	3,128,938	694,061	3,822,999	3,531,104	810,570	4,341,674
7	Bhilwara	1,895,869	512,654	2,408,523	2,213,940	596,353	2,810,293	2,750,199	756,570	3,506,769	3,073,698	885,467	3,959,165
8	Bikaner	1,563,553	800,384	2,363,937	1,900,121	956,107	2,856,228	2,490,004	1,244,827	3,734,831	2,834,630	1,450,511	4,285,141
9	Bundi	888,205	222,701	1,110,906	996,114	258,535	1,254,649	1,172,143	326,566	1,498,709	1,285,837	381,005	1,666,842
10	Chittaurgarh	1,259,074	285,264	1,544,338	1,431,959	321,587	1,753,546	1,716,914	392,838	2,109,752	1,895,632	456,600	2,352,232
11	Churu	1,463,312	576,235	2,039,547	1,746,510	645,071	2,391,581	2,233,972	770,189	3,004,161	2,522,035	877,440	3,399,475
12	Dausa	1,432,616	201,793	1,634,409	1,707,696	264,412	1,972,108	2,180,593	393,487	2,574,080	2,460,324	491,191	2,951,515
13	Dhaulpur	959,066	247,450	1,206,516	1,122,769	318,224	1,440,993	1,399,405	455,818	1,855,223	1,565,818	551,407	2,117,225
14	Dungarpur	1,299,809	88,743	1,388,552	1,584,833	106,125	1,690,958	2,108,758	125,799	2,234,557	2,442,811	130,332	2,573,143
15	Ganganagar	1,433,736	535,432	1,969,168	1,528,393	600,889	2,129,282	1,680,485	719,176	2,399,661	1,801,030	815,026	2,616,056
16	Hanumangarh	1,424,228	350,464	1,774,692	1,646,573	381,608	2,028,181	2,018,092	443,311	2,461,403	2,245,065	507,419	2,752,484
17	Jaipur	3,154,331	3,471,847	6,626,178	3,685,169	4,432,299	8,117,468	4,580,510	6,232,596	10,813,106	5,120,353	7,365,544	12,485,897
18	Jaisalmer	580,894	89,025	669,919	760,287	93,394	853,681	1,100,728	98,251	1,198,979	1,296,943	113,032	1,409,975
19	Jalore	1,676,975	151,755	1,828,730	2,058,154	182,542	2,240,696	2,733,042	252,446	2,985,488	3,125,541	322,083	3,447,624
20	Jhalawar	1,181,838	229,291	1,411,129	1,361,047	284,885	1,645,932	1,659,482	393,375	2,052,857	1,842,820	474,488	2,317,308
21	Jhunjhunu	1,647,966	489,079	2,137,045	1,774,908	567,156	2,342,064	1,978,523	708,790	2,687,313	2,130,464	817,304	2,947,768
22	Jodhpur	2,422,551	1,264,614	3,687,165	3,008,125	1,559,129	4,567,254	4,057,646	2,117,329	6,174,975	4,665,544	2,501,312	7,166,856
23	Karauli	1,240,143	218,105	1,458,248	1,458,602	255,181	1,713,783	1,829,369	329,857	2,159,226	2,051,316	394,566	2,445,882
24	Kota	774,410	1,176,604	1,951,014	816,939	1,542,190	2,359,129	885,750	2,202,261	3,088,011	944,743	2,599,535	3,544,278
25	Nagaur	2,670,539	637,204	3,307,743	3,062,337	785,231	3,847,568	3,712,441	1,068,773	4,781,214	4,114,452	1,275,866	5,390,318
26	Pali	1,577,567	460,006	2,037,573	1,725,551	512,399	2,237,950	1,963,676	611,713	2,575,389	2,129,531	698,308	2,827,839
27	Pratapgarh	796,041	71,807	867,848	965,023	72,085	1,037,108	1,260,451	75,824	1,336,275	1,433,273	92,125	1,525,398
28	Rajsamand	972,777	183,820	1,156,597	1,090,167	234,425	1,324,592	1,281,569	330,510	1,612,079	1,405,404	399,069	1,804,473
29	Sawai Madhopur	1,069,084	266,467	1,335,551	1,244,961	312,880	1,557,841	1,540,731	402,363	1,943,094	1,719,744	473,702	2,193,446
30	Sikar	2,043,427	633,906	2,677,333	2,275,848	786,716	3,062,564	2,653,275	1,068,027	3,721,302	2,901,362	1,261,774	4,163,136
31	Sirohi	827,692	208,654	1,036,346	963,842	265,270	1,229,112	1,192,802	374,839	1,567,641	1,331,380	451,872	1,783,252
32	Tonk	1,103,603	317,723	1,421,326	1,254,710	374,621	1,629,331	1,503,702	481,794	1,985,496	1,659,964	563,470	2,223,434
33	Udaipur	2,459,994	608,426	3,068,420	2,955,973	722,544	3,678,517	3,815,406	944,427	4,759,833	4,320,854	1,120,602	5,441,456
	State Total	51,500,352	17,048,085	68,548,437	60,430,181	20,713,556	81,143,737	75,843,943	27,626,864	103,470,807	85,177,312	32,589,289	117,766,601

2.10 Domestic Water Demand

Water for domestic purposes is received from

- groundwater, as a main source
- dams and canals
- lakes and ponds
- streams, springs and rivers
- rooftop rain water harvesting
- treated and re-cycled water for re-use (for gardening and flushing purpose)

For assessing domestic water demand, for the year 2010, the Consultants have adopted the norms established by the PHED, as follows, in litres per capita per day (lpcd).

Rural Water Supply

70 lpcd in DDP Blocks of Rajasthan

40 lpcd in non-DDP Blocks

Urban Water Supply

135 lpcd in towns having a population of more than 20,000

100 lpcd in towns having a population of less than 20,000

Table B-2.16 lists the DDP[1)] Blocks and corresponding district in Rajasthan. DDP Blocks are the blocks which are covered under Drought Development Programme. This categorization is required for computing domestic water requirements with the different norm for DDP Block and Non-DDP Block in rural areas.

Table B-2.16 DDP Blocks in Rajasthan

District	DDP Block	District	DDP Block
Ajmer	Pisangan	Jodhpur	Balesar
	Shrinagar		Bap
Alwar	Kishangarh		Bhopalgarh
Barmer	Baitu		Bilara
	Balotra		Luni
	Barmer		Mandor
	Chohtan		Osian
	Dhorimana		Phalodi
	Sheo		Shergarh
	Sindhary	Nagaur	Degana
	Siwana		Didwana
Bikaner	Bikaner		Jayal
	Dungargarh		Kuchaman
	Kolayat		Ladnu
	Lunkaransar		Makrana
	Nokha		Merta
Churu	Churu		Mundwa
	Rajgarh		Nagaur
	Ratangarh		Parbatsar

[1)]DDP = Drought Development Programme

District	DDP Block	District	DDP Block
	Sardarshahar		Riyan
	Sujangarh	Pali	Bali
	Taranagar		Desuri
Hanumangarh	Bhadra		Jaitaran
	Nohar		Marwar Junction
Jaipur	Dudu		Pali
Jaisalmer	Jaisalmer		Raipur
	Sam		Rani
	Sankra		Rohat
Jalore	Ahore		Sojat
	Bhinmal		Sumerpur
	Jalor	Rajsamand	Bhim
	Jaswantpura		Deogarh
	Raniwara	Sikar	Danta Ramgarh
	Sanchore		Dhod
	Sayla		Fatehpur
Jhunjhunu	Alsisar		Khandela
	Buhana		Lachhmangarh
	Chirawa		Neem ka Thana
	Jhunhunu		Piprali
	Khetri		Sri Madhopur
	Nawalgarh	Sirohi	Sheoganj
	Surajgarh	Udaipur	Gogunda
	Udaipurwa		

Source: PHED

Revised norms of water Supply

The Chief Engineer (HQ), PHED, Rajasthan Jaipur vide his letter No. CE(R)/2012-13/4008 dated 13.08.2012 (see Appendix B-4) intimated that as per new guidelines of NRDWP issued by MORD, Govt. of India, the norms be taken as below-

(A) Domestic Water Demand of Urban Population

For water demand of major towns of Rajasthan i.e. Jaipur, Jodhpur, Bikaner and Kota, a norm of 150 LPCD should be taken, as sewerage system are to be executed along with drinking water supply in these towns.

(B) Domestic Water Demand of Rural Population

To cover maximum habitation through piped water supply schemes, the above norms should be replaced with 100 LPCD in DDP blocks and 70 LPCD in non DDP blocks for planning water demand for rural population due to future needs of conversion of existing drinking water schemes (from present hand pump schemes, pump and tank etc. to Piped Water Supply Schemes in maximum possible habitations).

Hence, the future domestic water demands for the year 2020, 2040 and 2060 have been worked out as per the norms laid down in this letter considering the 15 lpcd extra demand in Urban areas for sewerage in the major towns having population more than 5.0 lac. Similarly in Rural areas 100 lpcd in DDP Blocks and 70 lpcd in Non-DDP Blocks has been considered to work out the future domestic water demands for the year 2020, 2040 and 2060.

In calculating domestic water demand population figures of Census' 2011 have been used. Since the Census' 2011 was completed in 1st quarter of the year 2011 the water demand so worked out will be for the year 2010.

Based on these norms, the district and blockwise annual domestic water demand for 2010 and projected water demand for year 2020, 2040 and 2060 have been presented in Table B-3.12 of Appendix B-3. District-wise summary of present and projected domestic water demand is given in Table B-2.17.

Table B-2.17 District-wise Present (2010) and Projected Domestic Water Demand, Mm^3

S. No.	District	2010 Gross Water Demand			2020 Gross Water Demand			2040 Gross Water Demand			2060 Gross Water Demand		
		Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
1	Ajmer	31.01	72.50	103.51	58.12	87.59	145.71	72.09	106.88	178.97	80.51	121.38	201.89
2	Alwar	51.25	44.10	95.35	102.34	59.59	161.93	126.49	96.14	222.63	141.14	118.83	259.97
3	Banswara	27.08	8.50	35.58	59.39	8.62	68.01	81.01	9.24	90.25	93.55	11.64	105.19
4	Baran	15.73	17.08	32.81	30.97	23.03	54.00	36.67	33.98	70.65	40.31	41.46	81.77
5	Barmer	68.76	12.59	81.35	127.34	13.42	140.76	182.06	15.48	197.54	213.58	19.97	233.55
6	Bharatpur	33.32	34.02	67.34	69.54	39.51	109.05	88.84	48.73	137.57	100.24	56.88	157.12
7	Bhilwara	30.77	34.72	65.49	62.85	40.81	103.66	78.09	57.11	135.20	87.26	67.17	154.43
8	Bikaner	42.35	55.60	97.95	74.59	72.87	147.46	97.74	94.87	192.61	111.29	110.92	222.21
9	Bundi	14.43	14.90	29.33	28.27	17.69	45.96	33.27	22.37	55.64	36.49	26.09	62.58
10	Chittaurgarh	20.42	19.59	40.01	40.66	22.07	62.73	48.72	27.37	76.09	53.82	31.80	85.62
11	Churu	41.53	39.97	81.50	70.85	45.14	115.99	90.60	53.93	144.53	102.27	61.43	163.70
12	Dausa	23.24	13.98	37.22	48.48	18.31	66.79	61.90	27.69	89.59	69.85	34.58	104.43
13	Dhaulpur	15.56	17.09	32.65	31.86	22.38	54.24	39.72	32.09	71.81	44.45	38.83	83.28
14	Dungarpur	21.08	6.03	27.11	45.00	7.21	52.21	59.87	8.55	68.42	69.36	8.86	78.22
15	Ganganagar	23.27	35.47	58.74	43.39	40.60	83.99	47.69	48.54	96.23	51.13	55.41	106.54
16	Hanumangarh	29.37	24.67	54.04	53.98	26.84	80.82	66.15	31.19	97.34	73.61	35.72	109.33
17	Jaipur	55.45	243.14	298.59	109.63	340.77	450.40	136.27	480.35	616.62	152.30	568.07	720.37
18	Jaisalmer	16.49	6.27	22.76	30.83	6.57	37.40	44.64	6.92	51.56	52.60	7.96	60.56
19	Jalore	44.31	10.37	54.68	79.44	12.87	92.31	105.47	17.75	123.22	120.65	22.67	143.32
20	Jhalawar	19.18	15.10	34.28	38.63	18.80	57.43	47.12	26.75	73.87	52.30	33.07	85.37
21	Jhunjhunu	46.77	31.95	78.72	72.01	37.83	109.84	80.23	48.57	128.80	86.42	56.36	142.78
22	Jodhpur	66.56	89.01	155.57	119.27	119.94	239.21	160.91	162.90	323.81	185.00	192.43	377.43
23	Karauli	20.12	15.24	35.36	41.40	17.82	59.22	51.93	23.03	74.96	58.24	27.56	85.80
24	Kota	12.56	81.65	94.21	23.20	117.64	140.84	25.13	168.81	193.94	26.81	200.03	226.84

S. No.	District	2010 Gross Water Demand			2020 Gross Water Demand			2040 Gross Water Demand			2060 Gross Water Demand		
		Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
25	Nagaur	75.80	43.28	119.08	124.20	54.44	178.64	150.60	74.54	225.14	166.85	89.38	256.23
26	Pali	44.78	31.03	75.81	69.97	34.93	104.90	79.64	42.13	121.77	86.36	48.51	134.87
27	Pratapgarh	12.93	4.51	17.44	27.39	4.53	31.92	35.77	4.77	40.54	40.69	6.22	46.91
28	Rajsamand	18.82	11.56	30.38	34.38	15.62	50.00	40.43	22.74	63.17	44.34	27.44	71.78
29	Sawai Madhopur	17.35	18.29	35.64	35.35	21.46	56.81	43.75	28.02	71.77	48.80	32.98	81.78
30	Sikar	58.02	43.53	101.55	92.31	54.07	146.38	107.61	74.33	181.94	117.67	87.81	205.48
31	Sirohi	14.82	14.00	28.82	28.99	17.79	46.78	35.87	25.63	61.50	40.03	30.88	70.91
32	Tonk	17.90	21.78	39.68	35.62	25.65	61.27	42.71	32.98	75.69	47.12	39.41	86.53
33	Udaipur	42.43	40.39	82.82	86.95	52.89	139.84	112.21	69.96	182.17	127.09	83.08	210.17
	State Total	**1073.46**	**1171.91**	**2245.37**	**1997.20**	**1499.30**	**3496.50**	**2511.20**	**2024.34**	**4535.54**	**2822.13**	**2394.83**	**5216.96**

Note: Considering 10% losses in rural areas and 30% losses in urban areas.

For details refer Table B-3.12 of Appendix B-3.

The following table presents quantities of water reserved for domestic consumption in dams, tanks etc. according to different decrees by government authorities.

Table B-2.18 Water Reserved by Rajasthan Government for Domestic Purposes in Dams, Tanks, etc.

Irrigation Zone	District	Name of Dam/Tank	Volume of Water, Mm^3	Reference
Mahi	Banswara	Kagdi pick up weir	2.41	Gov. order no. F.27(5) Irrigation/98 dated 18.12.02
		Banka Distributary	0.71	Gov. order no. F.27(5) Irrigation/98 dated 18.12.02
		Surwania Dam	1.47	Gov. order no. F.27(5) Irrigation/98 dated 18.12.02
		Bhagora Dam	0.57	Gov. order no. F.27(5) Irrigation/98 dated 18.12.02
		District Total	**5.16**	
Bisalpur	Jaipur & Ajmer	Bisalpur Dam	458.62	Gov. order no. F.27(5) Irrigation/98 dated 18.12.02
Jodhpur	Pali	Raipur	3.96	Permanent reservation. Gov. order no. F6(13) Irrig/MK/2005 dated 09.03.05
		Gajneri	2.49	Permanent reservation. Gov. order no. F6(13) Irrig/MK/2005 dated 09.03.05
		Kantaliya	2.83	Permanent reservation. Gov. order no. F6(13) Irrig/MK/2005 dated 09.03.05
		Fulad	1.87	Permanent reservation. Gov. order no. F6(13) Irrig/MK/2005 dated 09.03.05
		Siriyasi	0.74	F.27(5)Irrig/98 dated 03.08.99
		District Total	**11.89**	
Kota	Chittaurgarh	RPS Dam	0.509	For WSS Rawatbhata. Water is being supplied since commencement of project
			3.76	For WSS Ramganj Mandi, Saket & 14 other water is being drawn from 10/1991
			18.00	For Integrated WSS Ramganj Mandi and Panchpahar
		District Total	**22.269**	
	Kota	JS Dam	1.50	CE WR No.785 dt 12.06.06, for Panampura Borawai scheme for 43 village
		Kota Barrage	71.44	For Kota city, water is being drawn from 1960
		District Total	**72.94**	
	Bundi	Paibalpura	1.27	For WSS Paibalpura and Nainwa town. See CE WR No.553 dt. 10.05.06
		Gararda	5.00	For Bundi city. Provision included in project report. Formal sanction to be issued
		Dugari	3.73	Temporary reservation as per demand of PHED decided by WDC
		Gudha	7.07	Temporary reservation as per demand of PHED on year to year basis
		Bundi ka Gothara	7.70	Temporary reservation as per demand of PHED on year to year basis
		Indrani	1.22	Temporary reservation as per demand of PHED decided by WDC
		District Total	**25.99**	
	Jhalawar	Chappi Dam	10.95	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dt. 07.08.06 (for 23 villages)
		Bhimsagar	1.216	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dated 07.08.06 (for Khanpur WSS)
		Chauli Dam	1.86	CE WR No. CEWR/TA(W)/656-

Irrigation Zone	District	Name of Dam/Tank	Volume of Water, Mm^3	Reference
				IV/Kota/1207-10 dated 07.08.06 (for Pirawa Raipur area)
		Gulendi Dam	2.00	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dated 07.08.06 (for Gulendi)
		Kalikhar	2.00	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dated 07.08.06 (for Kalikhar)
		Rewa	1.00	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dated 07.08.06 (for Rewa)
		Bheemani	1.40	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dated 07.08.06 (for Bheemani)
		Piplad	5.00	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dated 07.08.06 (for Piplad Bhawanimandi)
		Gagrin	4.00	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dated 07.08.06 (for Gagrin)
	District Total		**29.426**	
	Baran	Utawali	0.60	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dated 07.08.06 (for Chhipabarod town)
	Jhalawar	Kanwara	1.00	CE WR No. CEWR/TA(W)/656-IV/Kota/1207-10 dated 07.08.06 (for Kanwara)
		Mogara	1.66	Temporary Reservation every year as per demand of PHED
		Mundlia Kheri	1.73	Temporary Reservation every year as per demand of PHED
	District Total		**4.99**	
Jaipur	Bharatpur	Bund Baretha	17.72	
	Jaipur	Ramgarh	73.61	Completed for drinking purpose
		Kanota	12.43	Completed for drinking purpose
	District Total		**86.04**	
	Tonk	Mashi	13.00	See UO note no.F27 (5) Irrig/98 dt. 17.09.02
		Galwa	0.42	
		Bidoli	1.70	
	District Total		**15.12**	
	Ajmer	Makreda Tank	0.28	
		Phoolsagar Jaliya	9.48	
	District Total		**9.76**	
Udaipur	Udaipur	Picchola (Swaroop sagar)	13.67	F13(11)Irrg/87 dated 07.11.92
		Fatehsagar	12.09	F13(11)Irrg/87 dated 07.11.92
		Sukher ka Naka	0.64	F15 (27) Irrig/98I dated 20.12.2002
		Jaisamand	17.81	F3(11)Irrig/87/ dated 06.07.88 for Udaipur city and WSS of various village
		Jakham	0.36	
	District Total		**44.57**	
	Rajsamand	Rajsamand	3.68	
		Nandsamand	5.80	
		Chikalwas Dam	1.98	
		Kundali Dam	3.00	
		Kalabhata Tank	0.54	
		Bhim Tank	1.44	
		Manohar Sagar	1.50	
	District Total		**17.94**	
	Dungarpur	Som Kamla Amba	2.83	
		Lodsar	2.83	

Irrigation Zone	District	Name of Dam/Tank	Volume of Water, Mm^3	Reference
		Amarpura	0.54	
		Majwa Khaprda Anicut	0.14	
		District Total	**6.34**	
	Banswara	Kalinjara	0.71	CE WR No. TA(W) 656/1139 dated 29.11.04

Source: Water Resources Department, Rajasthan

3. Livestock Water Demand

3.1 General

The livestock sector in Rajasthan is important as an engine of social and economic growth, especially in the rural areas. Large parts of Rajasthan are arid or semi-arid, falling under the Thar Desert, and have adverse climatic conditions. Scarcity of water for irrigation, including ground water, and erratic rains with very low average annual rainfall, worsen the conditions. This is the reason for the growth of the animal husbandry sector over agriculture in these areas, as crop production is insecure, especially during the recurrent droughts. Following the first livestock census in the country (1919-1920), quinquennial censuses have been conducted regularly. A summary of the census results is presented in Table B-3.1.

More than 80% of rural families keep livestock in their households. The contribution of the animal husbandry sector to the GDP of the State has been estimated to be around 9.16%. About 35% of the income to small and marginal farmers comes from dairy and animal husbandry. In arid areas the contribution is as high as 50%. The sector has a potential to create employment in rural areas with least investments compared to other sectors.

Dairy products, meat, wool, hides and skins have a growing domestic demand, and certain items have lately acquired a potential for export. Efforts at Government level for health care, breeding, marketing and training have been oriented towards ensuring, for these products their due role in the economy of the State. Programs for the future emphasize protection of the ecology and the environment along with continuing the development of the categories of livestock that are most appropriate for the particular ecosystem prevalent in the area.

3.2 Current Livestock Population

The current live stock population i.e. population in 2010 is not available with Animal Husbandry Department of Rajasthan. The Animal Husbandry department of Rajasthan state does livestock census in every five years. The latest livestock census was carried out in 2007 and the next livestock census is carried out in October / November 2012, the results of which are still not published till the end of January 2014. The Administrative Report 2010-11 of the Animal Husbandry department of GOR, provides the districtwise figures of census 2007. The figures of livestock census of 2007 upto Tehsil and village level have been collected from the Animal Husbandry department of GoR. These figures have further been compiled for 249 blocks of 33 districts of Rajasthan and tabulated District and block wise in Table B-3.2.

Table B-3.1 Livestock Population in Rajasthan, Millions

Species	1.	1951	1956	1961	1966	1972	1977	1983	1988	1992	1997	2003	2007
Cattle	Millions	10.782	12.073	13.136	13.123	12.470	12.896	13.504	10.921	11.666	12.141	10.854	12.336
	Percentage	42.26	37.73	39.20	35.01	32.07	31.18	27.20	26.69	24.08	22.37	22.08	21.80
Buffalo	Millions	3.045	3.430	4.019	4.223	4.592	5.072	6.043	6.344	7.775	9.770	10.414	11.951
	Percentage	11.93	10.57	11.99	11.27	11.81	12.26	12.17	15.50	15.98	17.95	21.28	21.12
Sheep	Millions	5.387	7.373	7.360	8.806	8.556	9.938	13.431	9.932	12.491	14.585	10.054	11.115
	Percentage	21.11	22.73	21.97	23.49	22.01	24.03	27.05	24.24	25.78	26.33	20.41	19.64
Goats	Millions	5.562	8.730	8.052	10.323	12.162	12.307	15.480	12.578	15.285	16.971	16.809	20.632
	Percentage	21.80	26.92	24.03	27.54	31.28	29.76	31.18	30.79	31.55	31.16	34.17	36.46
Camels	Millions	0.341	0.436	0.570	0.654	0.745	0.752	0.756	0.719	0.746	0.669	0.498	0.415
	Percentage	1.34	1.34	1.70	1.74	1.92)	1.82	1.52	1.76	1.53	1.22	1.01	0.75
Pigs	Millions	0.055	0.073	0.071	0.083	0.117	0.130	0.179	0.207	0.253	0.303	0.337	0.136
	Percentage	-	0.22	-	0.22	-	-	-	-	0.52	0.55	0.68	0.24
Others	Millions	0.344	0.313	0.301	0.264	0.236	0.264	0.257	0.216	0.229	0.216	0.170	0.127
	Percentage	1.56	0.94	1.11	0.70	0.9	0.95	0.88	1.02	0.47	0.39	0.39	0.22
Total		25.526	32.428	33.509	37.476	38.878	41.359	49.65	40.917	48.445	54.655	49.136	56.585
Dogs		-	-	-	-	-	-	1.433	1.254	1.502	1.674	2.371	1.256
Poultry		0.254	0.457	0.725	0.865	1.235	1.590	2.213	2.585	3.013	4.406	6.192	4.491
Rabbits		-	-	-	-	-	-	-	-	-	0.019	0.023	0.011

Source: Administrative Report 2010-11, Animal Husbandry Department, Rajasthan.

Table B-3.2 District and Blockwise Details of the Livestock as per Census 2007

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
1	**Ajmer**	1	Arain	33631	37166	41340	55779	22	66	10	932	0
		2	Bhinay	70294	49420	85342	85494	55	129	189	616	0
		3	Jawaja	29226	23544	34236	121356	28	33	104	598	0
		4	Kekri	65904	60277	75523	87546	135	258	48	1225	0
		5	Kishangarh	74784	76080	103145	148624	66	416	713	1758	0
		6	Masooda	50322	41456	85593	92659	30	134	331	1437	0
		7	Peesangan	29338	42316	53225	62052	28	71	299	3286	0
		8	Srinagar	31618	36113	21555	99846	85	95	373	1020	1586735
			Total	**385117**	**366372**	**499959**	**753356**	**449**	**1202**	**2067**	**10872**	**1586735**
2	**Alwar**	1	Bansur	13146	87537	9440	49049	59	202	1354	451	0
		2	Behror	11821	73922	7906	25158	104	192	2034	497	0
		3	Kathumar	9031	84413	13502	17494	112	42	632	1725	0
		4	Kishangarh Bas	10138	49041	4402	44214	28	99	569	41	0
		5	Kotkasim	11550	52408	3859	7521	64	53	508	82	0
		6	Lachhmangarh	12362	106198	9988	40028	76	21	779	1487	0
		7	Mandawar	9070	78314	6644	26092	76	160	1263	239	0
		8	Nimrana	9151	53536	5450	19433	24	32	476	28	0
		9	Rajgarh	27547	109632	8111	134876	31	100	1160	1959	0
		10	Ramgarh	14750	72409	10543	54748	31	24	534	675	0
		11	Reni	9121	50047	3601	12336	8	17	383	37	0
		12	Thanagazi	17717	62721	4896	108260	46	141	453	802	0
		13	Tijara	29139	88238	5089	42228	50	96	795	447	0
		14	Umren	15888	83882	5433	120413	89	430	800	1249	292687
			Total	**200431**	**1052298**	**98864**	**701850**	**798**	**1609**	**11740**	**9719**	**292687**
3	**Banswara**	1	Anandpuri	27349	23140	2592	20424	16	258	162	0	0
		2	Bagidora	75508	31832	309	58172	10	236	82	65	0
		3	Banswara	88359	34299	658	59620	14	247	136	1	330631
		4	Chhoti Sarvan	44179	17149	328	29809	7	123	68	0	0
		5	Garhi	54700	46820	5185	40850	32	515	324	0	0
		6	Ghatol	92043	33805	1868	68481	14	178	187	0	0
		7	Kushalgarh	131112	31611	901	74602	8	306	1	9	0
		8	Sajjangarh	61778	26044	252	47594	8	137	66	53	0
			Total	**575028**	**244700**	**12093**	**399552**	**109**	**2000**	**1026**	**128**	**330631**

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
4	**Baran**	1	Antah	55188	46300	2772	43858	31	123	0	2424	0
		2	Atru	37683	38423	1283	39726	26	474	111	1222	0
		3	Baran	28324	26428	1593	31187	27	31	561	552	50947
		4	Chhabra	38627	36721	339	31868	15	131	118	310	0
		5	Chhipabarod	62026	44357	520	46462	23	279	9	340	0
		6	Kishanganj	63729	38498	5324	32512	26	75	1	1322	0
		7	Shahbad	63600	26402	66	24734	0	84	1	1429	0
			Total	**349177**	**257129**	**11897**	**250347**	**148**	**1197**	**801**	**7599**	**50947**
5	**Barmer**	1	Balotra	92083	31107	155367	250906	89	1631	4668	383	0
		2	Barmer	67038	5229	121265	265052	183	2648	6591	0	13676
		3	Baytoo	77645	3617	201565	317481	39	1294	5862	157	0
		4	Chohtan	104138	27647	234718	433220	361	5194	15667	127	0
		5	Dhorimanna	97222	60340	211452	312593	107	1701	8403	815	0
		6	Sheo	109986	2216	293450	394391	422	4150	10791	0	0
		7	Sindhari	33577	1654	51668	110706	389	3426	4966	0	0
		8	Siwana	48592	45838	100753	123174	117	831	1763	2180	0
			Total	**630281**	**177648**	**1370238**	**2207523**	**1707**	**20875**	**58711**	**3662**	**13676**
6	**Bharatpur**	1	Bayana	15963	28610	10454	48671	27	176	937	1503	0
		2	Deeg	15546	63743	7453	17975	14	187	101	1718	0
		3	Kaman	9671	52983	5973	13781	10	43	108	1474	0
		4	Kumher	14499	66352	6364	11267	35	109	57	1177	0
		5	Nadbai	9310	57371	5409	11549	32	122	515	1211	0
		6	Nagar Pahari	23706	133906	24921	40241	58	149	359	2176	0
		7	Rupbas	12511	14635	5087	22237	42	169	230	1781	0
		8	Sewar	15733	21819	3827	10648	64	204	128	1361	81724
		9	Weir	9554	52760	9818	31604	98	93	1138	1358	0
			Total	**126493**	**492179**	**79306**	**207973**	**380**	**1252**	**3573**	**13759**	**81724**
7	**Bhilwara**	1	Asind	81296	36686	77824	92388	69	177	946	1394	0
		2	Banera	44440	24501	29109	39682	22	38	204	227	0
		3	Hurda	44900	21120	30946	34637	22	140	116	359	0
		4	Jahazpur	77617	39530	50261	107708	89	348	192	593	0
		5	Kotri	38258	17295	3087	21558	21	17	30	1323	0
		6	Mandal	49170	34503	56821	77260	112	99	488	324	0
		7	Mandalgarh	75955	40060	34427	98144	360	176	680	0	0
		8	Raipur	26084	17251	28410	38624	55	44	243	161	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		9	Sahara	49162	32232	25035	54896	84	37	35	41	0
		10	Shahpura	77955	29296	65823	58709	101	179	692	597	0
		11	Suwana	73329	42534	28750	63127	97	190	423	486	128395
			Total	**638166**	**335008**	**430493**	**686733**	**1032**	**1445**	**4049**	**5505**	**128395**
8	**Bikaner**	1	Bikaner	131207	20246	202081	205128	973	2426	10178	0	18780
		2	Dungargarh	61843	28253	76224	95529	12	980	5912	0	0
		3	Khajuwala	56413	14751	76714	71453	0	1296	3066	0	0
		4	Kolayat	133601	10732	185811	201219	3	1344	8760	178	0
		5	Lunkaransar	149018	17606	167312	118119	12	2785	12361	64	0
		6	Nokha	84302	50298	89429	181847	7	744	8569	0	0
			Total	**616384**	**141886**	**797571**	**873295**	**1007**	**9575**	**48846**	**242**	**18780**
9	**Bundi**	1	Bundi	48421	65043	3204	41650	92	225	201	935	37438
		2	Hindoli	78999	73967	25064	119702	277	271	848	913	0
		3	Keshorai Patan	53096	61284	8185	75235	66	374	859	741	0
		4	Nainwa	45138	48023	18898	82411	376	289	135	1004	0
		5	Talera	45203	62136	3129	35379	65	211	121	826	0
			Total	**270857**	**310453**	**58480**	**354377**	**876**	**1370**	**2164**	**4419**	**37438**
10	**Chittaurgarh**	1	Bari Sadri	35043	37900	3339	37292	71	149	0	106	0
		2	Begun	73598	42098	5076	57263	29	41	326	878	0
		3	Bhadesar	40968	45512	8587	58814	73	59	1324	169	0
		4	Bhainsrorgarh	68091	21529	1059	47821	23	23	124	434	0
		5	Bhopalsagar	18668	20967	3858	22578	49	42	0	28	0
		6	Chittaurgarh	72254	57985	5888	74418	97	184	514	462	18719
		7	Dungla	33221	41754	8144	40497	116	157	0	231	0
		8	Gangrar	52185	25787	9727	50212	68	18	226	47	0
		9	Kapasan	37337	41935	7716	45158	97	83	0	56	0
		10	Nimbahera	59867	48338	7015	44398	82	190	93	1135	0
		11	Rashmi	31215	29566	12162	41572	122	64	11	459	0
			Total	**522447**	**413371**	**72571**	**520023**	**827**	**1010**	**2618**	**4005**	**18719**
11	**Churu**	1	Churu	24806	21292	51389	121093	55	897	3736	0	83333
		2	Rajgarh	32023	82230	62012	106265	53	506	9989	32	0
		3	Ratangarh	32603	20013	76177	138802	35	666	2717	46	0
		4	Sardar Shahar	82907	27555	137468	157375	24	1612	11359	9	0
		5	Sujangarh	38313	43272	74737	219046	89	507	4975	35	0
		6	Taranagar	26926	31727	46369	77451	35	752	7704	87	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
			Total	**237578**	**226089**	**448152**	**820032**	**291**	**4940**	**40480**	**209**	**83333**
12	**Dausa**	1	Bandikui	13017	91999	7734	58735	28	39	583	618	0
		2	Dausa	40613	89368	23555	89974	197	62	818	1474	13803
		3	Lalsot	66441	88909	11040	110311	26	139	1700	1613	0
		4	Mahwa	7416	81205	6969	29183	30	71	611	1228	0
		5	Sikrai	13519	92466	10810	49526	58	57	812	1459	0
			Total	**141006**	**443947**	**60108**	**337729**	**339**	**368**	**4524**	**6392**	**13803**
13	**Dhaulpur**	1	Bari	12099	73743	2442	31302	11	55	86	300	0
		2	Baseri	37038	83758	1120	44964	2	4	62	1248	0
		3	Dhaulpur	71910	127088	1589	42679	39	86	29	122	5988
		4	Rajakhera	7027	41420	522	19937	94	169	15	235	0
			Total	**128074**	**326009**	**5673**	**138882**	**146**	**314**	**192**	**1905**	**5988**
14	**Dungarpur**	1	Aspur	70755	59699	17729	62943	93	189	460	0	0
		2	Bichhiwara	100490	40101	32210	92970	53	609	320	0	0
		3	Dungarpur	52049	20610	16225	46484	26	304	160	0	155603
		4	Sagwara	92094	77452	19107	98932	119	901	768	897	0
		5	Simalwara	111388	57395	20995	87107	29	373	157	0	0
			Total	**426776**	**255257**	**106266**	**388436**	**320**	**2376**	**1865**	**897**	**155603**
15	**Ganganagar**	1	Anupgarh	113208	54791	67725	82228	53	796	1938	125	0
		2	Ganganagar	83870	40832	21927	25597	186	90	783	87	86550
		3	Ghadsana	49875	26566	40726	52355	23	384	1316	83	0
		4	Karanpur	48480	20308	17960	22621	236	83	221	4	0
		5	Padampur	119519	53287	41815	20622	204	67	2085	11	0
		6	Raisinghnagar	66705	32088	25526	38790	119	183	1956	32	0
		7	Sadulshahar	46227	28002	24432	20866	189	134	2872	103	0
		8	Suratgarh	117732	45120	136219	105423	16	1827	8184	154	0
			Total	**645616**	**300994**	**376330**	**368502**	**1026**	**3564**	**19355**	**599**	**86550**
16	**Hanumangarh**	1	Bhadra	35528	80050	44093	37868	14	1151	13305	48	0
		2	Hanumangarh	88248	65025	30645	40863	181	190	3599	0	180541
		3	Nohar	64006	58349	60950	61695	7	1297	14101	10	0
		4	Pilibanga	67534	38367	30542	26631	71	257	2983	598	0
		5	Rawatsar	66533	31304	87348	62089	14	1737	7016	43	0
		6	Sangariya	45170	30748	14931	15746	237	70	3516	0	0
		7	Tibi	53760	43783	14249	21766	343	94	1570	20	0
			Total	**420779**	**347626**	**282758**	**266658**	**867**	**4796**	**46090**	**719**	**180541**

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
17	**Jaipur**	1	Amber	111220	122366	11877	93394	71	5	610	671	0
		2	Bassi	60781	60391	4825	56332	94	8	867	1229	0
		3	Chaksu	34192	50614	27601	57992	84	49	666	385	0
		4	Dudu	45793	54113	91689	75281	51	0	58	715	0
		5	Govindgarh	110802	150247	9441	70176	138	98	941	792	0
		6	Jamwa Ramgarh	47429	78246	15305	153544	87	38	890	1776	0
		7	Jhotwara	37366	51189	3209	19501	14	50	288	204	348666
		8	Kotputli	15538	109269	15964	60600	132	142	1313	865	0
		9	Phagi	30569	51162	53092	52722	121	91	365	987	0
		10	Sambhar	106125	108451	82685	158356	50	87	1772	1793	0
		11	Sanganer	29782	51838	8613	26696	61	26	382	652	0
		12	Shahpura	20389	80256	7571	76788	58	73	789	1904	0
		13	Viratnagar	11363	38755	5811	60015	5	99	525	322	0
			Total	**661349**	**1006897**	**337683**	**961397**	**966**	**766**	**9466**	**12295**	**348666**
18	**Jaisalmer**	1	Jaisalmer	140286	947	633270	473975	266	6208	18240	156	18447
		2	Sam	57303	308	255751	249723	339	1881	10537	0	0
		3	Sankra	143137	1765	414336	397247	137	2190	10240	69	0
			Total	**340726**	**3020**	**1303357**	**1120945**	**742**	**10279**	**39017**	**225**	**18447**
19	**Jalore**	1	Ahore	33665	37608	199422	94910	131	453	1071	438	0
		2	Bhinmal	42146	62687	93162	79757	163	1163	845	1	0
		3	Chitalwana	70031	72073	59641	70487	388	324	2237	0	0
		4	Jalore	21343	45901	89431	72178	111	662	589	1379	14553
		5	Jaswantpura	20149	55348	47552	61108	191	206	704	38	0
		6	Raniwara	33497	65875	52907	56261	97	262	520	16	0
		7	Sanchore	48665	50084	41446	48982	269	225	1555	0	0
		8	Sayla	15590	58639	45025	52396	243	215	587	638	0
			Total	**285086**	**448215**	**628586**	**536079**	**1593**	**3510**	**8108**	**2510**	**14553**
20	**Jhalawar**	1	Bakani	62778	46611	976	51072	48	258	40	312	0
		2	Dag	129587	74842	2555	101167	463	483	94	637	0
		3	Jhalrapatan	77301	74653	3519	69401	109	133	56	923	57626
		4	Khanpur	41186	44161	3504	46857	30	100	66	1978	0
		5	Manohar Thana	54255	34032	1129	46273	22	73	61	184	0
		6	Pirawa	63575	55143	2325	53700	279	151	20	376	0
			Total	**428682**	**329442**	**14008**	**368470**	**951**	**1198**	**337**	**4410**	**57626**

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
21	**Jhunjhunun**	1	Alsisar	58738	66981	27796	45652	100	113	4946	199	0
		2	Buhana	8195	28755	12498	16788	48	85	1900	80	0
		3	Chirawa	25173	28706	11912	19565	43	48	2119	85	0
		4	Jhunjhunun	62805	59964	38321	164663	112	293	3728	15	15459
		5	Khetri	9848	51833	33487	89419	44	96	1896	150	0
		6	Nawalgarh	43122	58989	18828	110542	131	105	2222	323	0
		7	Surajgarh	10016	35144	15276	20519	59	103	2255	98	0
		8	Udaipurwati	26912	61269	27587	120115	100	332	2762	1114	0
			Total	**244809**	**391641**	**185705**	**587263**	**637**	**1175**	**21828**	**2064**	**15459**
22	**Jodhpur**	1	Balesar	50755	12620	84593	173347	36	383	1919	38	0
		2	Bap	102322	10246	177503	207405	47	1009	7221	0	0
		3	Bawari	41410	21468	105536	89724	27	297	1045	71	0
		4	Bhopalgarh	53572	65110	123519	140643	37	497	1711	48	0
		5	Bilara	44343	45935	82515	76432	116	415	763	13	0
		6	Luni	72637	31179	62955	95567	28	244	1981	521	0
		7	Mandor	55618	34957	102179	70459	52	117	1445	0	15159
		8	Osian	82795	42937	11072	179449	54	594	2096	143	0
		9	Phalodi	77191	7730	133907	156464	35	761	5448	0	0
		10	Shergarh	54985	13671	91643	187792	40	415	1713	42	0
			Total	**635628**	**285853**	**975422**	**1377282**	**472**	**4732**	**25342**	**876**	**15159**
23	**Karauli**	1	Hindaun	10335	102888	9274	39132	58	39	902	1812	0
		2	Karauli	35446	92045	8634	89975	24	262	1251	1024	14398
		3	Nadoti	13690	44896	10323	49274	85	392	308	1395	0
		4	Sapotra	51646	112297	16438	158138	164	348	1280	2002	0
		5	Todabhim	7883	79297	9651	39418	62	79	559	1669	0
			Total	**119000**	**431423**	**54320**	**375937**	**393**	**1120**	**4300**	**7902**	**14398**
24	**Kota**	1	Itawa	45651	45890	6966	43124	54	182	33	1116	0
		2	Khairabad	35618	32951	1117	35815	24	33	645	740	0
		3	Ladpura	59698	74024	3320	40091	38	41	965	580	39160
		4	Sangod	44849	48199	3336	41210	57	39	1572	1161	0
		5	Sultanpur	44700	43342	6352	35173	45	254	34	1699	
			Total	**230516**	**244406**	**21091**	**195413**	**218**	**549**	**3249**	**5296**	**39160**
25	**Nagaur**	1	Degana	48611	70323	89950	123301	270	551	1384	231	0
		2	Didwana	44386	60226	67370	170729	144	132	1325	73	0
		3	Jayal	35712	42028	55394	113346	124	214	1510	10	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		4	Kuchaman City	55312	81539	128623	147009	97	324	2454	341	0
		5	Ladnun	27166	23285	35397	113812	83	115	1281	15	0
		6	Makrana	28829	38144	45342	92050	38	77	694	314	0
		7	Merta	31698	43237	68323	71434	108	95	447	153	0
		8	Mundwa	32699	21887	63579	116458	23	91	1217	0	0
		9	Nagaur	51897	53070	104607	213417	44	166	2286	0	23032
		10	Parbatsar	31338	42780	76127	127816	87	234	905	758	0
		11	Riyan	24905	33972	53682	56126	85	75	351	120	0
			Total	**412553**	**510491**	**788394**	**1345498**	**1103**	**2074**	**13854**	**2015**	**23032**
26	**Pali**	1	Bali	50784	48242	92511	103793	158	478	616	804	0
		2	Desuri	38895	47977	126679	78434	186	331	1566	1516	0
		3	Jaitaran	44676	47768	101085	90681	171	195	329	850	0
		4	Kharchi (Marwar Junction)	24122	26063	56161	54523	94	124	949	293	0
		5	Pali	36630	28444	152409	67265	121	371	1110	312	0
		6	Raipur	35107	34395	61975	86561	20	386	590	677	57366
		7	Rani Station	14166	15316	32983	32020	55	60	523	172	0
		8	Rohat	34585	24639	114611	52160	41	517	1062	0	0
		9	Sojat	43034	39332	99796	80895	125	154	955	517	0
		10	Sumerpur	20111	22635	73392	36836	119	72	593	288	0
			Total	**342110**	**334811**	**911602**	**683168**	**1090**	**2688**	**8293**	**5429**	**57366**
27	**Pratapgarh**	1	Arnod	52327	23003	258	31179	47	104	11	196	0
		2	Chhoti Sadri	57548	36480	3559	41379	34	93	0	123	0
		3	Dhariawad	143543	69970	37834	111678	25	357	302	37	0
		4	Peepalkhoont	75308	27658	1528	56030	12	145	145	0	0
		5	Pratapgarh	128739	58448	3829	70271	58	104	134	2	18719
			Total	**457465**	**215559**	**47008**	**310537**	**176**	**803**	**592**	**358**	**18719**
28	**Rajsamand**	1	Amet	29708	29519	18035	59054	114	59	230	269	0
		2	Bhim	36115	19808	36531	116053	20	29	130	158	0
		3	Deogarh	28836	20779	37231	84627	111	58	308	391	0
		4	Khamnor	62923	43138	9547	92130	164	860	1152	108	0
		5	Kumbhalgarh	37434	54743	4017	59586	94	389	389	182	0
		6	Railmagra	52933	38586	11374	35205	127	20	0	24	0
		7	Rajsamand	45543	36588	8468	55823	153	112	280	194	22131
			Total	**293492**	**243161**	**125203**	**502478**	**783**	**1527**	**2489**	**1326**	**22131**

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
29	**Sawai Madhopur**	1	Bamanwas	19990	45781	9474	60359	61	168	485	1651	0
		2	Bonli	17486	27467	22282	47785	72	101	484	1042	0
		3	Gangapur	9727	65048	8260	35003	72	90	811	1565	0
		4	Khandar	27820	59480	16017	153401	104	177	948	2084	0
		5	Sawai Madhopur	39848	74352	22796	102245	91	312	1083	2830	26180
			Total	**114871**	**272128**	**78829**	**398793**	**400**	**848**	**3811**	**9172**	**26180**
30	**Sikar**	1	Danta Ramgarh	40203	60135	50648	101872	67	85	1397	819	0
		2	Dhond	31510	47249	39794	80042	52	66	1097	644	0
		3	Fatehpur	17466	21166	33642	114579	30	195	1555	0	0
		4	Khandela	27972	99979	19267	122556	86	113	1937	1037	0
		5	Lachhmangarh	46570	56914	53149	158511	127	57	2564	16	0
		6	Neem Ka Thana	17060	86252	27969	184802	123	271	1627	1346	0
		7	Piprali	119795	109440	74853	210579	212	115	3638	35	178325
		8	Srimadhopur	21101	75422	14534	92454	65	86	1462	783	0
			Total	**321677**	**556557**	**313856**	**1065395**	**762**	**988**	**15277**	**4680**	**178325**
31	**Sirohi**	1	Abu Road	38035	20921	7819	65591	12	21	37	0	0
		2	Pindwara	55054	32652	33411	85039	43	97	1399	0	0
		3	Reodar	45664	75591	48711	60777	89	379	2132	0	0
		4	Sheoganj	22009	24032	76575	76264	36	423	517	0	44876
		5	Sirohi	37952	26456	81070	49893	107	476	1708	0	0
			Total	**198714**	**179652**	**247586**	**337564**	**287**	**1396**	**5793**	**0**	**44876**
32	**Tonk**	1	Deoli	43041	54777	35049	59918	137	20	183	1624	0
		2	Malpura	48694	55288	63486	66066	176	49	110	1542	0
		3	Niwai	58874	83774	88445	112498	251	58	655	1591	0
		4	Todaraisingh	32260	42726	30281	42402	86	1	76	334	0
		5	Tonk	19847	44399	14513	35365	137	22	116	342	60873
		6	Uniara	27444	49223	16704	51399	78	157	188	941	0
			Total	**230160**	**330187**	**248478**	**367648**	**865**	**307**	**1328**	**6374**	**60873**
33	**Udaipur**	1	Bargaon	85069	109151	14491	84531	45	52	197	39	0
		2	Bhindar	58734	32850	2933	58855	18	74	320	101	0
		3	Girwa	74753	41809	3734	74907	22	95	408	129	450558
		4	Gogunda	22040	9477	7525	24858	20	103	96	5	0
		5	Jhadol	46805	19554	10369	52788	30	218	196	11	0
		6	Kherwara	71788	38612	16274	83945	2	135	153	0	0
		7	Kotra	37529	15678	5536	42326	34	175	164	9	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		8	Lasadiya	34513	22503	10189	59260	59	110	124	0	0
		9	Mavli	67759	61398	7648	69329	67	60	1394	38	0
		10	Rishabhdeo	58499	31462	13260	68408	14	110	134	0	0
		11	Salumbar	70073	45689	20688	120315	120	220	371	0	0
		12	Sarada	77870	48794	10553	83361	21	157	518	62	0
			Total	**705432**	**476977**	**123200**	**822883**	**452**	**1509**	**4075**	**394**	**450558**
		Grand Total		**12336480**	**11951386**	**11115087**	**20632018**	**22212**	**93362**	**415260**	**135957**	**4491078**

Source: Livestock Census 2007

3.3 Livestock Population Projection

There is no definite trend of the livestock i.e. increasing or decreasing. The Rajasthan state is a drought prone state. It faces frequent droughts, almost once in 3-4 years and sometime continuously for three four years. This affects livestock population. Thousands even lacs of animals die in drought years due to shortage of water and fodder. Therefore some definite criteria cannot be evolved for future projections of the livestock. The livestock population was 49.650 million in 1983. It decreased to 40.917 million in 1988 and increased to 48.445 million in 1992 and again increased to 54.055 million in 1997 and then decreased to 49.136 million in 2003 and again increased to 56.585 million in 2007. Thus some time the population is increasing and some time decreasing. After 2007, there has been drought in 2008 and 2009 where as there have been good rains in 2010 and 2011 in the state. In these circumstances, no definite predictions can be made about livestock population in the census proposed to be done in last quarter of 2012. The matter of livestock projections was discussed with the statistical wing of Animal Husbandry Department of GoR. They were of the same opinion that because of the above mentioned constraints, they do not do the livestock projections.

However, on the basis of available data of livestock census for 12 times (1951 to 2007), the trend diagrams for the various main categories of domestic animals, such as cattle, buffalos, sheep, goats, camels, pigs, poultry and remaining others (dogs, horses, donkeys, rabbits etc.) have been plotted and are given in Appendix B-5. Viewing these graphs, it comes out that cattle population is very much fluctuating and has a decline trend. Buffalo, sheep and goat, though have fluctuating population, but overall have an increasing trend. Similarly trend diagram for camels is also very much fluctuating. There were rising trend in population from 1950 to 1970, then it remained almost constant upto 1985 and after that it is declining. One of its reason may be mechanisation due to which the demand of such animals has reduced which resulted decrement in their population. The trend diagram of pigs and poultry is almost similar though fluctuating but have increasing tread. The reason may be that these both supplement the food requirement of the people. The most important is the trend graph of the animals such as horses, donkeys, dogs, rabbits etc. Now a days, the people do not keep rabbits and dog population. This is also being discouraged by their sterilization. Similarly due to fast mechanisation the horse and donkey population in reducing at a fast pace.

However, based on available figures and trends projections of livestock for the year 2010, 2020, 2040 and 2060 have been done over the 2007 population census figures. Livestock growth factors for the year 2010, 2020, 2040 and 2060 over the 2007 population figures for different categories of the livestock have been worked out and tabulated in Table B-5.1 of Appendix B-5. The projected figures of livestock, district and blockwise for these years for different categories of livestock have been given in Table B-5.2 to 5.5 of Appendix B-5.

3.4 Water Requirements

According to information from the Deputy Director, Animal Husbandry Department, Udaipur, the daily water consumption by different animals is as follows.

	lpcd
Cows	65
Buffaloes	65
Sheep	6
Goats	5
Horses	60
Asses	60
Camels	65
Pigs	17
Ducks	3
Rabbits	0.3
Elephants	150
Poultry	0.25

On the basis of water demand per capita per day given above, the water demand for different categories of livestock has been worked out District wise and Block wise as given in Table B-3.1 to B-3.4 of Appendix B-5 and summarized in Table B-3.5 of Appendix B-5.

The district-wise summary of Livestock water demand for present (2010) and upto year 2060 is given in Table B-3.3.

Table B-3.3 District-wise Present (2010) and Projected Livestock Water Demand

S. No.	District	Water Demand (Mm^3)			
		2010	2020	2040	2060
1	Ajmer	19.75	21.06	23.64	26.26
2	Alwar	29.28	32.49	38.88	45.29
3	Banswara	19.26	19.93	21.30	22.68
4	Baran	14.14	14.87	16.37	17.86
5	Barmer	28.53	29.67	31.95	34.31
6	Bharatpur	14.38	15.88	18.84	21.84
7	Bhilwara	24.43	25.52	27.69	29.90
8	Bikaner	22.89	23.54	24.87	26.25
9	Bundi	13.82	14.76	16.62	18.51
10	Chittaurgarh	22.12	23.33	25.78	28.24
11	Churu	14.59	15.49	17.28	19.12
12	Dausa	13.77	15.12	17.83	20.54
13	Dhaulpur	10.21	11.16	13.06	14.98
14	Dungarpur	16.35	17.10	18.62	20.15
15	Ganganagar	23.72	24.62	26.43	28.29
16	Hanumangarh	20.19	21.27	23.41	25.59
17	Jaipur	39.92	42.97	49.14	55.36
18	Jaisalmer	15.02	15.49	16.41	17.39
19	Jalore	19.19	20.67	23.63	26.62
20	Jhalawar	17.67	18.63	20.53	22.44
21	Jhunjhunun	16.42	17.69	20.23	22.78

S. No.	District	Water Demand (Mm^3)			
		2010	2020	2040	2060
22	Jodhpur	26.77	27.99	30.40	32.86
23	Karauli	13.08	14.41	17.06	19.74
24	Kota	11.12	11.85	13.28	14.72
25	Nagaur	25.46	27.33	31.04	34.75
26	Pali	19.09	20.36	22.86	25.37
27	Pratapgarh	15.80	16.40	17.62	18.85
28	Rajsamand	13.30	14.08	15.63	17.19
29	Sawai Madhopur	9.69	10.55	12.32	14.10
30	Sikar	22.70	24.56	28.28	32.00
31	Sirohi	9.90	10.51	11.72	12.94
32	Tonk	13.81	14.86	16.98	19.09
33	Udaipur	28.38	29.83	32.71	35.61
	State Total	624.75	663.99	742.41	821.62

For details refer Table B-5.6 to B-5.9 of Appendix B-5.

4. Institutional Water Demand

4.1 Water Requirement Norms

The water requirements for institutions should be considered in addition to the water demands described above, as these are of considerable magnitude and are not covered in the above-mentioned estimates. Institutional water needs have been defined as follows by the Ministry of Urban Development, GOI, for different institutions.

Table B-4.1 Water Requirement Norms for Institutions

Institution	Litres per Head per Day
Hospital (including laundry) No. of beds exceeding 100 No. of beds not exceeding 100	 450 (per bed) 340 (per bed)
Hotels	180 (per bed)
Hostels	135
Nurses homes and medical quarters	135
Boarding schools and colleges	135
Restaurants	70 (per seat)
Airports and sea ports	70
Junction Stations and intermediate stations where mail or express stoppage is provided (both railways and bus stations)	70
Terminal stations	45
Intermediate stations (excluding mail and express stops)	45*
Day schools and colleges	45
Offices	45
Factories	45**
Cinema, concert halls and theatre	15

* Could be reduced to 25 where bathing facilities are not provided

** Could be reduced to 30 where no bathrooms are provided

Source: Ministry of Urban Development, Govt. of India.

4.2 Fire-Fighting Demand

It is usual to consider firefighting water demand as a coincident draft from the distribution system, along with the normal supply to the consumers. A provision in kilolitres per day based on the formula of $100\sqrt{p}$, where p = population in thousands, may be adopted for communities larger than 50,000. It is desirable that one third of the fire fighting requirements form part of the service storage. The balance requirement may be distributed in several static tanks at strategic points. These static tanks may be filled from nearby ponds, streams or canals by water tankers wherever feasible. High rise buildings should be provided with adequate fire storage from the protected water supply distribution.

4.3 Assessment of Institutional Water Demand

The Census of India -2011 has published House listing and Housing Census data highlights. The indicator – data related to Institutional occupancy in the state is reproduced below in Table B-4.2.

Table B-4.2 Census of India 2011, Houses, Household Amenities and Assets Figures at a Glance – Rajasthan

Item No.	Houselist Item	Absolute Number			Percentage		
		Total	Rural	Urban	Total	Rural	Urban
A: Total number of Census houses							
A.1:	Total number of Census houses	18,070,963	13,296,654	4,774,309	100.0	100.0	100.0
A.2:	Total number of vacant census houses	1,846,993	1,203,878	643,115	10.2	9.1	13.5
A.3:	Total number of occupied census houses	16,223,970	12,092,776	4,131,194	89.8	90.9	86.5
B: Total number of Census houses							
B.1	Total number of occupied census houses	16,223,970	12,092,776	4,131,194	100.0	100.0	100.0
B.2	Occupied Census Houses used as Residence	12,139,693	9,173,665	2,966,028	74.8	75.9	71.8
B.3	Residence –cum- other use	362,733	259,689	103,044	2.2	2.1	2.5
B.4	Shop/ Office	1,124,928	491,247	633,681	6.9	4.1	15.3
B.5	School/ College etc.	131,434	109,798	21,636	0.8	0.9	0.5
B.6	Hotel/ Lodge/ Guest house etc.	37,615	24,353	13,262	0.2	0.2	0.3
B.7	Hospital/ Dispensary etc.	36,649	26,432	10,217	0.2	0.2	0.2
B.8	Factory/ Workshop/ Workshed etc.	111,482	52,721	58,761	0.7	0.4	1.4
B.9	Place of worship	224,269	187,799	36,470	1.4	1.6	0.9
B.10	Other non-residential use	1,984,031	1,738,128	245,903	12.2	14.4	6.0
B.11	No. of occupied locked census houses	71,136	28,944	42,192	0.4	0.2	1.0

In Table B-4.2, B.2 indicates that out of 100% of the house in the state 74.8 (say 75%) house are used for residence purposes i.e. their demand is domestic. Rest of the building (B.3 to B.11) i.e. remaining 25% are used for institutional purposes. The water consumed by the individuals in the Institutions is already included in domestic demand, but the water utilised in institutions for the purpose other than domestic is to be assessed. Therefore considering the norms, laid down by the ministry of Urban Development, GOI for Institutional needs (Para 4.1 and 4.2) and Manual on water supply and treatment by CPHEEO (Central Public Health Environment Engineering Organization) under MOUD, the ICI (Institutional, Commercial and Industrial) demand, should be taken 10% of the total domestic demands. Thus it will be

appropriate to consider 5% of the domestic gross water demand as Institutional water demand in every district / Blocks, as Industrial demands have been worked out separately. Based on this, the gross domestic demand (given in Table B-3.12 of Appendix B-3) has been increased by 5% to include the institutional demand and the increased gross domestic demand is considered in water supply and demand balance. (given in Table C-4.1 of appendix C-4).

5. Irrigation Water Demand

5.1 Methodology

5.1.1 Crop Water Requirements

Crop water requirement has been defined as "the depth of water needed to meet the water losses through evapotranspiration (ET crop) of a disease-free crop, growing in large fields under non-restricting soil conditions, including soil water and fertility and achieving full production potential under the given growing environment".

Assessing crop water requirements accurately on the basis of field measurements is time-consuming and costly. Therefore, certain computational methods have been developed and tested, with a view to obtain results that can be applied at short notice for project planning. Out of several methods, the modified Penman method was adopted by the Food and Agriculture Organization (FAO) of the United Nations in 1977 and published as Irrigation and Drainage Paper No. 24 - "Crop Water Requirements".

5.1.2 The Modified Penman Method

The form of the equation used in the modified Penman method is:

ETo = C [W.Rn+(1-W).f(u).(ea-ed)],

Where

ETo	=	reference crop evapotranspiration in mm/day
W	=	temperature-related weighing factor
Rn	=	net radiation in equivalent evapotranspiration in mm/day.
f(u)	=	wind related functions
(ea – ed)	=	difference between the saturation vapour pressure at mean air temperature and the mean actual vapour pressure of the air, both in mbar
C	=	adjustment factor to compensate for the effect of day and night weather conditions.

Due to the interdependence of the variables composing the equation, the correct use of units in all variables is important.

5.1.3 Net Crop Water Requirement

Computation of net crop water requirements was aimed at a full meeting of crop water deficits in order to realize the yield potential of crops after considering the effective rainfall and available soil moisture. The computational procedure involves simulation of the water balance within the effective root zone of the crop on a monthly basis.

5.2 Net Irrigation Demand

Appendix B-6 presents the net irrigation water requirement for major crops in each District at various dependability levels. The weighted average net irrigation demands

for each district for the crop-basket (Rabi + Kharif) as per the prevailing pattern in the irrigated areas is also estimated in mm as well as m^3/ha and given further in Appendix B-6.

The project-wise (surface-water-irrigated projects) total net irrigation demand (in Mm^3) at various dependability were arrived at by using the data in hectares on Culturable Command Area (CCA) of these projects collected from Water Resources Department, Govt. of Rajasthan and the estimated net irrigation water requirement given in Appendix B-6 (in m^3/ha). The results of this estimation which are input to demand and supply water balance are given in Appendix C-5.

For the areas outside the CCA of surface-water-irrigated projects the net irrigation demand has been estimated block-wise at various dependability levels by using the data in hectares on potential irrigable areas and the estimated net irrigation water requirement given in Appendix B-6 (in m^3/ha). The results of this estimation which are input to demand and supply water balance are also given in Appendix C-5.

Gross irrigation water demands have been computed by applying the factors of on-farm and off-farm irrigation efficiency to the net irrigation water demand for individual surface-water-irrigated projects and areas outside the CCA of surface-water-irrigated projects in each block, considering the type of water source. The data related to on-farm and off-farm efficiency has been taken as per Final Report No. 4.8 for present situation as well as improved efficiency figures resulting from implementation of suggested rehabilitation and upgrading measures as given in Appendix C-11. The computed gross irrigation water demands are given in Appendix C-14 which has been considered in the block-wise demand and supply water balances calculations as presented in Part C of this report.

6. Power Station's Cooling Water Demand

6.1 Introduction

Rajasthan does not have any large potential for hydroelectric power development, and has to depend for its future requirements of hydro-power on other States, and to a large extent on thermal and nuclear power plants to be installed within the State. As indicated above, Rajasthan has large resources of lignite, and many lignite-based power projects have already been planned and more can be planned for its future needs. With the gas finds at several places, including Rajasthan, the potential of gas-based thermal power station has also increased. With increase in the thermal power generation water requirements for cooling of station would increase correspondingly.

6.2 Unit Water Requirements

On an average, the consumptive water requirements of conventional thermal power station (TPS) amount to between 2.5 and 4.5 Mm^3/yr per 100 MW for different types and sizes of plants. For super TPPs at Suratgarh and Kota the demand has been estimated as 7.15 Mm^3/yr per 100 MW. For gas based TPP the water requirement remains between 2.5 to 5.6 Mm^3/yr per 100 MW. In case of Giral TPP the water demand remains between 4.3 to 6.5 Mm^3/yr per 100 MW. Nuclear power station require much larger quantities of cooling water for the condenser and other auxiliaries, as well as for the heat transport system between the reactor and the steam generator, but the consumptive use of water is lower than that of conventional thermal power station.

The consumptive use of water in nuclear power stations is about 3 Mm^3/yr, or 0.1 m^3/sec per 100 MW.

6.3 Existing Power Generation and Water Requirements

The state owned power generation plants with their installed capacities and water requirement as per the norms given in Section 6.2 are shown in Table B-6.1. The installed capacities of existing projects run by the agencies other than Rajasthan Vidhyut Utpadan Nigam Limited (RVUNL) and their respective installed capacities and water requirements have been shown in Table B-6.2. (The water demand for power generation is consumptive use demand only)

Table B-6.1 State Owned (RVUNL) Power Generation Plants Up to 2010

District	Block	Name of Power Plant	Installed Capacity, MW	Water Demand, Mm^3/yr
Banswara	Bagidora	Mahi Hydel Project	140.000	12.60
	Ghatol	RMC-I, Mahi (Hydel)	0.800	0.04
	Ghatol	RMC-II, Mahi (Hydel)	0.165	0.01
Baran	Anta	Mangrol Hydel Project	6.000	0.27
	Chhabra	Chhabra TPP, Stage I, Phase I (Unit 1 &2)	500.000	14.16
Barmer	Sheo	Giral Lignite TPS Unit 1&2	250.000	10.72
Bikaner	Khajuwala	Pugal Mini Hydel Project - I	1.500	0.07
	Khajuwala	Pugal Mini Hydel Project - II	0.650	0.03
	Kolayat	Birsalpur Hydel Power House	0.535	0.02
	Kolayat	Charanwala Hydel Station	1.200	0.05
Dhaulpur	Dhaulpur	Dhaulpur Gas Combined Cycle, Stage-I	330.000	17.86
Ganganagar	Suratgarh	Anoopgarh Hydel Station, Anoopgarh	9.000	0.41
	Suratgarh	Suratgarh Super TPS Stage I to IV (Unit-1 to 6)	1500.000	107.16
Hanumangarh	Hanumangarh	Suratgarh Mini Hydel Power House, Lakhuwali	4.000	0.18
Jaisalmer	Sam	Ramgarh Gas TPS	35.500	1.55
	Sam	Ramgarh Gas TPS (Extn.)	75.000	3.27
Kota	Ladpura	Kota Super TPS Stage I to V (Unit 1 to 7)	1240.000	88.66
		Total	4094.350	257.06

Source: Rajasthan Rajya Vidyut Prasaran Nigam Limited (RRVPNL), Jaipur

Table B-6.2 Other Than State Owned Power Generation Plants Up to 2010

District	Block	Name of Power Plant	Installed Capacity, MW	Water Demand, Mm^3/yr
Baran	Anta	Anta GPS	413.000	23.13
Bikaner	Bikaner	Palana Lignite	120.000	7.80
	Bikaner	Barsinghsar Lignite by NTPC	240.000	15.60
Chittaurgarh	Bhainsrorgarh	RAPP (Nuclear) Unit 1 to 6	1180.000	52.31
	Chittaurgarh	Chittaurgarh TPS	220.000	9.90
Jodhpur	Osian	Solar Thermal, Matharia	30.000	1.42
		Total	2203.000	110.16

Source: - Tahal-WAPCOS Study, 1998 and Private Sector Projects

6.4 Future Power Generation Development and Water Requirements

No projections of Power demand or installed capacities of Nuclear power plants is available. However information has been collected for the thermal power plants (Coal based, Gas based and Giral TPP) from RVUNL to be installed between the year 2011 to 2020 and after the year 2020. Appendix B-7 (Table 1) gives districtwise details of the installation capacities of the Power projects likely to be completed between 2011 and 2020 by RVUNL along with their water demands, source of water, status of allocation and the status of execution of works. The projects of RVUNL likely to be completed after the year 2020 (considered upto 2030) have also been listed in Appendix B-7 (Table 2) alongwith their installed capacities, water requirements, source of water, status of allocation and status of execution of works. The private sector projects are given in Table 3 of Appendix B-7.

Further programme of installation of Power Plants is not available. Therefore the consultants have considered the sources of water, where the power plants can be proposed to be installed by 2040 and 2060. It has been assumed that expansion of power generation will be mainly on three sources of water viz. IGNP, Chambal and Mahi.

Increase in water demand from 2020 to 2030 is estimated as 35.4%. Hence, the same factor has been applied to arrive at the increase in demand from 2030 to 2040 only on the demand of areas where expansion can be expected considering the three sources of water mentioned above. Based on this, the increase in water demand from 2020 to 2040 is estimated as 67.8% which has been applied to arrive at the increase in demand from 2040 to 2060 only on the demand of areas where further expansion can be expected considering the three sources of water mentioned above.

The present and projected water demand of power stations by district has been shown in Table B-6.3, further details of which are given in Appendix B-7 (Table B-7.1 and B-7.4).

Table B-6.3 Present and Projected District-wise Water Demand for Power Stations

S. No.	Districts	Consumptive Water Requirement in Mm³/year			
		2010	2020	2040	2060
1	Ajmer	-	-	-	-
2	Alwar	-	-	-	-
3	Banswara	12.65	125.93	166.03	270.03
4	Baran	37.56	139.08	256.08	310.06
5	Barmer	10.72	84.91	154.70	252.31
6	Bharatpur	-	-	-	-
7	Bhilwara	0.00	0.00	28.35	28.35
8	Bikaner	23.57	23.57	23.57	23.57
9	Bundi	-	-	36.27	60.86
10	Chittorgarh	62.21	143.88	172.79	247.76
11	Churu	-	-	-	-
12	Dausa	-	-	-	-
13	Dholpur	17.86	26.79	29.95	38.15
14	Dungarpur	-	-	-	-
15	Ganganagar	107.57	182.33	208.79	277.41

S. No.	Districts	Consumptive Water Requirement in Mm³/year			
		2010	2020	2040	2060
16	Hanumangarh	0.18	0.18	0.18	0.18
17	Jaipur	-	-	-	-
18	Jaisalmer	4.82	22.68	29.00	45.40
19	Jalor	-	-	-	-
20	Jhalawar	0.00	71.36	71.36	71.36
21	Jhunjhunu	-	-	-	-
22	Jodhpur	1.42	1.42	1.42	1.42
23	Karauli	-	-	-	-
24	Kota	88.66	88.66	100.75	108.95
25	Nagaur	-	-	-	-
26	Pali	-	-	-	-
27	Pratapgarh	-	-	-	-
28	Rajsamand	-	-	-	-
29	Sawai Madhopur	-	-	-	-
30	Sikar	-	-	-	-
31	Sirohi	-	-	-	-
32	Tonk	-	-	-	-
33	Udaipur	-	-	-	-
	Total	367.22	910.79	1279.24	1735.81

7. Wildlife, Game Reserves and Sanctuaries

7.1 Game Reserves and Sanctuaries

Rajasthan has two national parks - Keoladeo Ghana National Park near Bharatpur and Desert National Park near Jaisalmer, 25 Sanctuaries and 33 closed areas. To sustain and develop these national parks, sanctuaries and closed areas, and to restore the natural habitat, the relevant authorities provide water holes, eradicate and exercise grazing control in the respective areas. The National Parks and sanctuaries are listed in Table B-7.1

Table B-7.1 National Parks and Sanctuaries in Rajasthan

Name	District	Area, km^2
National Parks		
Keoladeo National Parks	Bharatpur	28.73
Ranthambore National Park	Sawai Madhopur	282.03
	Sub Total	310.76
Wildlife Sanctuaries		
Sariska	Alwar	492.29
Desert	Barmer, Jaisalmer	3,162.00
Sawai Mansingh	Sawai Madhopur	113.07
Keladevi	Karoli, Sawai Madhopur	676.82
Kumbalgarh	Udaipur, Rajsamand, Pali	610.53
Fulwari ki Nal	Udaipur	511.41
Todagarh Raawali	Ajmer, Pali, Rajsamand	475.24
Sitamata	Chittorgarh, Udaipur	422.94
Ramgarh Vishdhari	Bundi	307.00

Name	District	Area, km^2
Jamwa Ramgarh	Jaipur	300.00
Mount Abu	Sirohi	326.10
National Chambal WL Sanctuary	Kota, Sawai Madhopur, Bundi Dholpur, Karauli	280.00
Darrah Game Sanctuary	Kota, Jhalawar	239.76
Bhensrodgarh	Chittorgarh	201.40
Bandh Baretha	Bharatpur	199.24
Bassi	Chittorgarh	138.69
Jawahar Sagar	Kota, Bundi, Chittorgarh	220.09
Shergarh	Baran	81.67
Jaisamand	Udaipur	52.34
Nahargarh	Jaipur	52.40
Ramsagar	Dholpur	34.40
Van Vihar	Dholpur	25.60
Kesarbagh	Dholpur	14.76
Tal Chappar	Churu	7.19
Sajjangarh	Udaipur	5.19
	Sub Total	8,950.12
	Grand Total	9,260.88

Source: CWLW (Chief Wildlife Warden), Van Bhawan, Jaipur

These figures are distributed as follows between the Districts.

Table B-7.2 District-Wise Area of National Parks and Sanctuaries

	District	Area, km^2	District Area, Km^2	Area in %
1	Ajmer	159.24	8482.43	1.88
2	Alwar	492.29	8389.24	5.87
3	Baran	220.09	7009.23	3.14
4	Barmer	1,571.00	28440.67	5.52
5	Bharatpur	227.97	5083.78	4.48
6	Bundi	438.00	5778.71	7.58
7	Chittorgarh	615.18	7835.96	7.85
8	Churu	7.19	13840.78	0.05
9	Dholpur	130.58	3044.81	4.29
10	Jaipur	352.40	11139.65	3.16
11	Jaisalmer	1,571.00	38511.18	4.08
12	Jhalawar	119.88	6317.79	1.90
13	Karauli	444.42	4990.38	8.91
14	Kota	245.88	5127.27	4.80
15	Pali	358.53	12367.77	2.90
16	Rajsamand	363.00	4622.18	7.85
17	Sawai Madhopur	779.52	5055.87	15.42
18	Sirohi	199.24	5127.07	3.89
19	Udaipur	965.47	11723.08	8.24
	Total	9,260.88		

Source: CWLW, Van Bhawan, Jaipur

The source of water, its quantity and quality are major factors affecting the Keoladeo wetland ecology. The Gambhir and Banganga river systems, at the confluence of which this national park is located, bring water to it. Water from the Gambhir is brought into the Ajan Bund through Pichuna canal, and from Banganga through Uchain canal. The amount of water supplied to this park during the 1970s and 1980s varied from a minimum of 0.017 Mm^3/yr in 1986 to a maximum of 15.32 Mm^3/yr in 1985. In most of the years it was above 14 Mm^3/yr. Rajasthan forest Department is allocated 14 Mm^3/yr of water by the Water Resources Department.

The other important wetlands and game sanctuaries in Rajasthan are: National Chambal (Gharial) Wildlife Sanctuary, Jai Samand Wildlife Sanctuary, Lake Sambhar, Phulera and Didwana Salt Lakes, Pichola – Fatehsagar Lake and other lakes of central Rajasthan, Darrah Game Sanctuary, Sariska Game Sanctuary, Mount Abu Game Sanctuary, Sawai Madhopur Game Sanctuary, Tal Chhapar Game Sanctuary and Van-Vihar and Ram Sagar Sanctuaries.

In the case of Sambhar Lake, there is a growing utilization of water in the catchment area, and this poses a potential substantial reduction of water inflow and the accompanying nutrients and organic matter. This concern had been voiced even during the British period (late 19th century) when reservoirs were planned in the catchment of River Rupanagarh. However, during the past century or so, hundreds of water-storage schemes have been implemented in the Sambhar Lake catchment without any apparent effect on salt production or otherwise on the system's characteristics. The increasing desertification in the catchment and deposition of aeolian sand in river beds are also a potential threat to the wetland.

Most of the other Game Sanctuaries are located in forest areas and depend for their water needs on the rains.

7.2 Wildlife

7.2.1 Numbers

Under this category only those animals are included who do not live with the human society. The exact figure of these animals cannot be worked out, but it is a fact that the majority of such animals live in national parks and wildlife sanctuaries. Wildlife is as important as other inhabitants on earth in maintaining the ecological balance. Since water is the prime and utmost factor for all living beings, the need or demand for water for wildlife cannot be ignored.

The figures of wildlife as per Census 2010 are shown in Table B-7.3.

Table B-7.3 Wildlife Census of Rajasthan, 2010

Local Name	English Name	Number
Bagh	Tiger	42
Baghera	Leopard or Panther	527
Bhaloo	Sloth Bear	757
Bhedia	Indian Wolf	1,289
Bijju	Civets	1,195
Chausingha	Four-horned Antelope	326
Cheetal	Chital	20,360
Chinkara	Indian Gazelle	34,970
Jarakh	Hyena	3,065

Local Name	English Name	Number
Junglee Billi	Wild Cat	3,279
Junglee Suar	Wild Pig	12,650
Kala Hiran	Black Buck	12,532
Langur	Common Langur	49,526
Lomdi	Fox/Desert Fox	5,771
Nevla	Mongoose	4,317
Nilgai	Nilgai	67,924
Sambhar	Sambhar	16,970
Sehli (Sehi)	Indian Porcupine	3,080
Siyaar/Geedar	Jackal	22,266
Siyagosh	Caracal	387
	Total	261,233

Source: PCCF & CWLW, Van Bhawan, Jaipur

The total number of wild animals as per the 2010 census is 261,233 or 0.26 million. This number is very small in comparison with the livestock which is 56.59 million, plus some other livestock such as dogs, horse, donkeys, poultry, rabbits etc.

Thus, the number of wildlife can be taken as about 0.46% of livestock. But water is also needed by birds and other uncounted wildlife. Therefore, a provision of 1% of livestock water demand is considered by the Consultants as proper for a realistic assessment of water demand for wildlife.

7.2.2 Water Requirements

Wildlife water requirements are taken as 1% of livestock demand for the state as a whole, and this value has been distributed between the blocks in proportion (Column 7 of Table B-7.4) to the forest areas in these blocks for the year 2010, as shown in the following table.

Table B-7.4 District and Block wise Forest Cover and Water Demand

S. No.	District	S. No.	Block	Forest Cover 2010		% of Total Forest area	Water Demand in Forest area Mm^3/yr
				Ha	km2		
1	2	3	4	5	6	7	8
1	Ajmer	1	Arain	712.26	7.12	0.037	0.002
		2	Binay	1,051.17	10.51	0.054	0.003
		3	Jawaja	10,801.99	108.02	0.555	0.035
		4	Kekri	833.43	8.33	0.043	0.003
		5	Kishangarh	1,566.60	15.67	0.081	0.005
		6	Masooda	1,016.72	10.17	0.052	0.003
		7	Peesangan	5,612.89	56.13	0.288	0.018
		8	Shrinagar	2,657.13	26.57	0.137	0.009
			Sub Total	24,252.19	242.52	1.246	0.078
2	Alwar	9	Bansur	11,352.48	113.52	0.583	0.036
		10	Behror	1,835.08	18.35	0.094	0.006
		11	Kathumar	26.14	0.26	0.001	0.000
		12	Kishangarh Bas	10,307.47	103.07	0.530	0.033

S. No.	District	S. No.	Block	Forest Cover 2010		% of Total Forest area	Water Demand in Forest area Mm^3/yr
				Ha	km2		
1	2	3	4	5	6	7	8
		13	Kotkasim	-	-	0.000	0.000
		14	Lachhmangarh	1,839.70	18.40	0.095	0.006
		15	Mandawar	3,809.17	38.09	0.196	0.012
		16	Nimrana	2,484.30	24.84	0.128	0.008
		17	Rajgarh	32,259.58	322.60	1.658	0.103
		18	Ramgarh	4,403.95	44.04	0.226	0.014
		19	Reni	1,591.21	15.91	0.082	0.005
		20	Thanagazi	26,360.98	263.61	1.355	0.085
		21	Tijara	15,435.98	154.36	0.793	0.049
		22	Umren	42,490.46	424.90	2.183	0.136
			Sub Total	154,196.50	1,541.97	7.924	0.495
3	Banswara	23	Anandpuri	3,135.05	31.35	0.161	0.010
		24	Bagidora	4,976.59	49.77	0.256	0.016
		25	Banswara	22,403.58	224.04	1.151	0.072
		26	Chhoti Sarvan	5,530.78	55.31	0.284	0.018
		27	Garhi	4,341.83	43.42	0.223	0.014
		28	Ghatol	21,525.86	215.26	1.106	0.069
		29	Kushalgarh	16,266.64	162.67	0.836	0.052
		30	Sajjangarh	1,080.08	10.80	0.056	0.003
			Sub Total	79,260.40	792.60	4.073	0.254
4	Baran	31	Antah	476.07	4.76	0.024	0.002
		32	Atru	11,317.12	113.17	0.582	0.036
		33	Baran	600.93	6.01	0.031	0.002
		34	Chhabra	24,108.88	241.09	1.239	0.077
		35	Chhipabarod	32,403.50	324.04	1.665	0.104
		36	Kishanganj	24,632.31	246.32	1.266	0.079
		37	Shahbad	64,411.51	644.12	3.310	0.207
			Sub Total	157,950.32	1,579.50	8.116	0.507
5	Barmer	38	Balotra	168.84	1.69	0.009	0.001
		39	Barmer	-	-	0.000	0.000
		40	Baytoo	-	-	0.000	0.000
		41	Chohtan	-	-	0.000	0.000
		42	Dhorimanna	8.30	0.08	0.000	0.000
		43	Sheo	-	-	0.000	0.000
		44	Sindhari	-	-	0.000	0.000
		45	Siwana	7,221.93	72.22	0.371	0.023
			Sub Total	7,399.07	73.99	0.380	0.024
6	Bharatpur	46	Bayana	6,069.28	60.69	0.312	0.019
		47	Deeg	831.58	8.32	0.043	0.003
		48	Kaman	26.45	0.26	0.001	0.000
		49	Kumher	252.49	2.52	0.013	0.001
		50	Nadbai	-	-	0.000	0.000
		51	Pahari	1.85	0.02	0.000	0.000
		52	Rupbas	0.62	0.01	0.000	0.000

S. No.	District	S. No.	Block	Forest Cover 2010		% of Total Forest area	Water Demand in Forest area Mm^3/yr
				Ha	km2		
1	2	3	4	5	6	7	8
6	Bharatpur	53	Sewar #	3,210.70	32.11	0.165	14.010
		54	Weir	42.44	0.42	0.002	0.000
			Sub Total	10,435.40	104.35	0.536	14.033
7	Bhilwara	55	Asind	1,787.72	17.88	0.092	0.006
		56	Banera	375.20	3.75	0.019	0.001
		57	Hurda	7.69	0.08	0.000	0.000
		58	Jahazpur	4,763.77	47.64	0.245	0.015
		59	Kotri	1,048.71	10.49	0.054	0.003
		60	Mandal	234.96	2.35	0.012	0.001
		61	Mandalgarh	11,100.92	111.01	0.570	0.036
		62	Raipur	8,611.39	86.11	0.443	0.028
		63	Sahara	254.95	2.55	0.013	0.001
		64	Shahpura	5,343.18	53.43	0.275	0.017
		65	Suwana	1,038.87	10.39	0.053	0.003
			Sub Total	34,567.35	345.67	1.776	0.111
8	Bikaner	66	Bikaner	178.37	1.78	0.009	0.001
		67	Dungargarh	-	-	0.000	0.000
		68	Khajuwala	18.14	0.18	0.001	0.000
		69	Kolayat	127.63	1.28	0.007	0.000
		70	Lunkaransar	25.53	0.26	0.001	0.000
		71	Nokha	2.46	0.02	0.000	0.000
			Sub Total	352.13	3.52	0.018	0.001
9	Bundi	72	Bundi	11,033.26	110.33	0.567	0.035
		73	Hindoli	30,224.90	302.25	1.553	0.097
		74	Keshorai Patan	9,660.71	96.61	0.496	0.031
		75	Nainwa	17,016.11	170.16	0.874	0.055
		76	Talera	8,744.55	87.45	0.449	0.028
			Sub Total	76,679.54	766.80	3.940	0.246
10	Chittaurgarh	77	Bari Sadri	8,034.45	80.34	0.413	0.026
		78	Begun	23,121.99	231.22	1.188	0.074
		79	Bhadesar	1,216.62	12.17	0.063	0.004
		80	Bhainsrorgarh	26,683.59	266.84	1.371	0.086
		81	Bhopalsagar	27.06	0.27	0.001	0.000
		82	Chittaurgarh	15,296.67	152.97	0.786	0.049
		83	Dungla	213.43	2.13	0.011	0.001
		84	Gangrar	1,376.85	13.77	0.071	0.004
		85	Kapasan	2.77	0.03	0.000	0.000
		86	Nimbahera	11,381.08	113.81	0.585	0.036
		87	Rashmi	151.31	1.51	0.008	0.000
			Sub Total	87,505.82	875.06	4.497	0.281
11	Churu	88	Churu	26.14	0.26	0.001	0.000
		89	Rajgarh	32,259.58	322.60	1.658	0.103
		90	Ratangarh	1.23	0.01	0.000	0.000
		91	Sardarshahar	-	-	0.000	0.000

S. No.	District	S. No.	Block	Forest Cover 2010		% of Total Forest area	Water Demand in Forest area Mm^3/yr
				Ha	km2		
1	2	3	4	5	6	7	8
		92	Sujangarh	2.77	0.03	0.000	0.000
		93	Taranagar	-	-	0.000	0.000
			Sub Total	32,289.71	322.90	1.659	0.104
12	Dausa	94	Bandikui	2,508.90	25.09	0.129	0.008
		95	Dausa	2,760.47	27.60	0.142	0.009
		96	Lalsot	7,477.19	74.77	0.384	0.024
		97	Mahwa	-	-	0.000	0.000
		98	Sikrai	4,796.68	47.97	0.246	0.015
			Sub Total	17,543.24	175.43	0.901	0.056
13	Dhaulpur	99	Bari	15,483.65	154.84	0.796	0.050
		100	Baseri	23,904.37	239.04	1.228	0.077
		101	Dhaulpur	1,395.61	13.96	0.072	0.004
		102	Rajakhera	438.24	4.38	0.023	0.001
			Sub Total	41,221.87	412.22	2.118	0.132
14	Dungarpur	103	Aspur	2,355.13	23.55	0.121	0.008
		104	Bichhiwara	22,122.18	221.22	1.137	0.071
		105	Dungarpur	3,419.21	34.19	0.176	0.011
		106	Sagwara	6,381.12	63.81	0.328	0.020
		107	Simalwara	5,350.87	53.51	0.275	0.017
			Sub Total	39,628.51	396.29	2.036	0.127
15	Ganganagar	108	Anupgarh	-	-	0.000	0.000
		109	Ganganagar	-	-	0.000	0.000
		110	Ghadsana	-	-	0.000	0.000
		111	Karanpur	-	-	0.000	0.000
		112	Padampur	-	-	0.000	0.000
		113	Raisinghnagar	-	-	0.000	0.000
		114	Sadulshahar	-	-	0.000	0.000
		115	Suratgarh	-	-	0.000	0.000
			Sub Total	-	-	0.000	0.000
16	Hanumangarh	116	Bhadra	-	-	0.000	0.000
		117	Hanumangarh	1,371.62	13.72	0.070	0.004
		118	Nohar	4.61	0.05	0.000	0.000
		119	Pilibanga	5.54	0.06	0.000	0.000
		120	Rawatsar	-	-	0.000	0.000
		121	Sangariya	-	-	0.000	0.000
		122	Tibi	-	-	0.000	0.000
			Sub Total	1,381.77	13.82	0.071	0.004
17	Jaipur	123	Amber	15,366.17	153.66	0.790	0.049
		124	Bassi	1,366.70	13.67	0.070	0.004
		125	Chaksu	51.67	0.52	0.003	0.000
		126	Dudu	53.51	0.54	0.003	0.000
		127	Govindgarh	457.93	4.58	0.024	0.001
		128	Jamwa Ramgarh	20,510.68	205.11	1.054	0.066
		129	Jhotwara	945.99	9.46	0.049	0.003

S. No.	District	S. No.	Block	Forest Cover 2010		% of Total Forest area	Water Demand in Forest area Mm^3/yr
				Ha	km2		
1	2	3	4	5	6	7	8
		130	Kotputli	4,446.70	44.47	0.228	0.014
		131	Phagi	597.24	5.97	0.031	0.002
		132	Sambhar	42.44	0.42	0.002	0.000
		133	Sanganer	319.84	3.20	0.016	0.001
		134	Shahpura	5,343.18	53.43	0.275	0.017
		135	Viratnagar	13,153.74	131.54	0.676	0.042
			Sub Total	62,655.77	626.56	3.220	0.199
18	Jaisalmer	136	Jaisalmer	169.45	1.69	0.009	0.001
		137	Sam	99.33	0.99	0.005	0.000
		138	Sankra	112.56	1.13	0.006	0.000
			Sub Total	381.35	3.81	0.020	0.001
19	Jalore	139	Ahore	663.67	6.64	0.034	0.002
		140	Bhinmal	842.35	8.42	0.043	0.003
		141	Chitalwana	812.82	8.13	0.042	0.003
		142	Jalor	2,544.88	25.45	0.131	0.008
		143	Jaswantpura	3,486.26	34.86	0.179	0.011
		144	Raniwara	611.08	6.11	0.031	0.002
		145	Sanchore	318.61	3.19	0.016	0.001
		146	Sayla	851.88	8.52	0.044	0.003
			Sub Total	10,131.55	101.32	0.521	0.033
20	Jhalawar	147	Bakani	21,078.39	210.78	1.083	0.068
		148	Dag	14,537.66	145.38	0.747	0.047
		149	Jhalrapatan	19,272.83	192.73	0.990	0.062
		150	Khanpur	18,367.75	183.68	0.944	0.059
		151	Manohar Thana	22,171.69	221.72	1.139	0.071
		152	Pirawa	5,446.20	54.46	0.280	0.017
			Sub Total	100,874.53	1,008.75	5.184	0.324
21	Jhunjhunun	153	Alsisar	148.85	1.49	0.008	0.000
		154	Buhana	1,319.34	13.19	0.068	0.004
		155	Chirawa	210.36	2.10	0.011	0.001
		156	Jhunjhunun	313.38	3.13	0.016	0.001
		157	Khetri	21,188.18	211.88	1.089	0.068
		158	Nawalgarh	1,633.65	16.34	0.084	0.005
		159	Surajgarh	246.65	2.47	0.013	0.001
		160	Udaipurwati	10,821.67	108.22	0.556	0.035
			Sub Total	35,882.07	358.82	1.844	0.115
22	Jodhpur	161	Balesar	-	-	0.000	0.000
		162	Bap	6.46	0.06	0.000	0.000
		163	Bawari	-	-	0.000	0.000
		164	Bhopalgarh	3.08	0.03	0.000	0.000
		165	Bilara	211.89	2.12	0.011	0.001
		166	Luni	94.41	0.94	0.005	0.000
		167	Mandor	1,591.51	15.92	0.082	0.005
		168	Osian	-	-	0.000	0.000

S. No.	District	S. No.	Block	Forest Cover 2010		% of Total Forest area	Water Demand in Forest area Mm^3/yr
				Ha	km2		
1	2	3	4	5	6	7	8
		169	Phalodi	25.83	0.26	0.001	0.000
		170	Shergarh	-	-	0.000	0.000
			Sub Total	1,933.19	19.33	0.099	0.006
23	Karauli	171	Hindaun	3,340.79	33.41	0.172	0.011
		172	Karauli	23,092.16	230.92	1.187	0.074
		173	Nadoti	6,215.97	62.16	0.319	0.020
		174	Sapotra	71,123.54	711.24	3.655	0.228
		175	Todabhim	1,535.85	15.36	0.079	0.005
			Sub Total	105,308.31	1,053.08	5.411	0.338
24	Kota	176	Itawa	1.23	0.01	0.000	0.000
		177	Khairabad	7,099.22	70.99	0.365	0.023
		178	Ladpura	26,162.93	261.63	1.344	0.084
		179	Sangod	3,599.43	35.99	0.185	0.012
		180	Sultanpura	514.20	5.14	0.026	0.002
			Sub Total	37,377.02	373.77	1.921	0.121
25	Nagaur	181	Degana	-	-	0.000	0.000
		182	Didwana	-	-	0.000	0.000
		183	Jayal	-	-	0.000	0.000
		184	Kuchaman City	874.64	8.75	0.045	0.003
		185	Ladnu	-	-	0.000	0.000
		186	Makrana	9.23	0.09	0.000	0.000
		187	Merta	-	-	0.000	0.000
		188	Mundwa	3.38	0.03	0.000	0.000
		189	Nagaur	-	-	0.000	0.000
		190	Parbatsar	2,273.33	22.73	0.117	0.007
		191	Riyan	177.45	1.77	0.009	0.001
			Sub Total	3,338.02	33.38	0.172	0.011
26	Pali	192	Bali	18,783.54	187.84	0.965	0.060
		193	Desuri	13,574.45	135.74	0.698	0.044
		194	Jaitaran	1,086.23	10.86	0.056	0.003
		195	Marwar Junction	11,019.73	110.20	0.566	0.035
		196	Pali	372.43	3.72	0.019	0.001
		197	Raipur	8,611.39	86.11	0.443	0.028
		198	Rani	884.17	8.84	0.045	0.003
		199	Rohat	22.14	0.22	0.001	0.000
		200	Sojat	5,265.37	52.65	0.271	0.017
		201	Sumerpur	737.48	7.37	0.038	0.002
			Sub Total	60,356.92	603.57	3.102	0.193
27	Pratapgarh	202	Arnod	14,133.25	141.33	0.726	0.045
		203	Chhoti Sadri	12,994.12	129.94	0.668	0.042
		204	Dhariawad	41,385.48	413.85	2.127	0.133
		205	Peepalkhoont	23,303.43	233.03	1.197	0.075
		206	Pratapgarh	56,526.22	565.26	2.905	0.181
			Sub Total	148,342.51	1,483.43	7.623	0.477

S. No.	District	S. No.	Block	Forest Cover 2010		% of Total Forest area	Water Demand in Forest area Mm^3/yr
				Ha	km2		
1	2	3	4	5	6	7	8
28	Rajsamand	207	Amet	595.09	5.95	0.031	0.002
		208	Bhim	10,388.66	103.89	0.534	0.033
		209	Deogarh	2,044.82	20.45	0.105	0.007
		210	Khamnor	1,236.00	12.36	0.064	0.004
		211	Kumbhalgarh	23,718.00	237.18	1.219	0.076
		212	Railmagra	15.68	0.16	0.001	0.000
		213	Rajsamand	2.15	0.02	0.000	0.000
			Sub Total	38,000.40	380.00	1.953	0.122
29	Sawai Madhopur	214	Bamanwas	3,409.68	34.10	0.175	0.011
		215	Bonli	1,564.45	15.64	0.080	0.005
		216	Gangapur	996.12	9.96	0.051	0.003
		217	Khandar	43,211.34	432.11	2.220	0.139
		218	Sawai Madhopur	18,100.80	181.01	0.930	0.058
			Sub Total	67,282.39	672.82	3.457	0.216
30	Sikar	219	Danta Ramgarh	627.69	6.28	0.032	0.002
		220	Dhond	784.84	7.85	0.040	0.003
		221	Fatehpur	324.76	3.25	0.017	0.001
		222	Khandela	3,830.39	38.30	0.197	0.012
		223	Lachhmangarh	1,839.70	18.40	0.095	0.006
		224	Neem Ka Thana	16,902.94	169.03	0.869	0.054
		225	Piprali	3,676.01	36.76	0.189	0.012
		226	Srimadhopur	335.52	3.36	0.017	0.001
			Sub Total	28,321.85	283.22	1.455	0.091
31	Sirohi	227	Abu Road	38,581.96	385.82	1.983	0.124
		228	Pindwara	21,621.81	216.22	1.111	0.069
		229	Reodar	8,573.56	85.74	0.441	0.027
		230	Sheoganj	9,570.60	95.71	0.492	0.031
		231	Sirohi	6,713.26	67.13	0.345	0.022
			Sub Total	85,061.20	850.61	4.371	0.274
32	Tonk	232	Deoli	8,803.91	88.04	0.452	0.028
		233	Malpura	1,392.84	13.93	0.072	0.004
		234	Niwai	2,142.93	21.43	0.110	0.007
		235	Todaraisingh	2,076.81	20.77	0.107	0.007
		236	Tonk	1,783.72	17.84	0.092	0.006
		237	Uniara	4,211.43	42.11	0.216	0.014
			Sub Total	20,411.65	204.12	1.049	0.066
33	Udaipur	238	Bargaon	7,081.39	70.81	0.364	0.023
		239	Bhindar	8,115.95	81.16	0.417	0.026
		240	Girwa	34,016.54	340.17	1.748	0.109
		241	Gogunda	38,245.20	382.45	1.965	0.123
		242	Jhadol	83,292.54	832.93	4.280	0.267
		243	Kherwara	22,434.64	224.35	1.153	0.072
		244	Kotra	116,465.82	1,164.66	5.985	0.373
		245	Lasadiya	19,365.71	193.66	0.995	0.062

S. No.	District	S. No.	Block	Forest Cover 2010		% of Total Forest area	Water Demand in Forest area Mm^3/yr
				Ha	km2		
1	2	3	4	5	6	7	8
		246	Mavli	471.15	4.71	0.024	0.002
		247	Rishabhdeo	12,013.69	120.14	0.617	0.039
		248	Salumbar	17,291.98	172.92	0.889	0.055
		249	Sarada	16,935.85	169.36	0.870	0.054
			Sub Total	375,730.44	3,757.30	19.307	1.210
State Total				**1,946,053.01**	**19,460.53**	**100.000**	**20.25**

Source: State Forest Report 2010

Taken as 1% of livestock water demand, 14 Mm^3/yr added to Bharatpur district for Keoladeo National Park as per details given in section 7.1)

Sample calculation for year 2010 in Table B-7.4:

For Arain block (S. No. 1 of Block) of Ajmer district (S. No. 1 of district) water demand

= 0.037 (Col.7) x (20.25*-14.00**)

*State Total for year 2010 at end of Table B-7.4

** Keoladeo demand not to be distributed amongst blocks

7.2.3 Projected Water Requirements

Table B-8.1 of Appendix B-8 gives the district wise and block wise water demands for the year 2010, 2020, 2040 and 2060, which have been worked out on the basis of percentage of total forest areas. Table B-7.5 summarizes the present and projected wildlife water demand by districts.

Table B-7.5 District-wise Present and Projected Wildlife Water Demand

S. No.	District	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
1	Ajmer	0.078	0.082	0.092	0.103
2	Alwar	0.495	0.525	0.588	0.651
3	Banswara	0.254	0.271	0.302	0.335
4	Baran	0.507	0.540	0.603	0.668
5	Barmer	0.024	0.026	0.029	0.032
6	Bharatpur	14.033	14.036	14.039	14.045
7	Bhilwara	0.111	0.118	0.131	0.146
8	Bikaner	0.001	0.001	0.001	0.002
9	Bundi	0.246	0.262	0.292	0.325
10	Chittorgarh	0.281	0.299	0.334	0.371
11	Churu	0.104	0.110	0.123	0.136
12	Dausa	0.056	0.060	0.068	0.075
13	Dhaulpur	0.132	0.141	0.157	0.174

S. No.	District	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
14	Dungarpur	0.127	0.135	0.150	0.167
15	Ganganagar	0.000	0.000	0.000	0.000
16	Hanumangarh	0.004	0.005	0.005	0.006
17	Jaipur	0.199	0.213	0.238	0.266
18	Jaisalmer	0.001	0.001	0.001	0.001
19	Jalore	0.033	0.035	0.038	0.044
20	Jhalawar	0.324	0.346	0.384	0.426
21	Jhunjhunun	0.115	0.124	0.137	0.152
22	Jodhpur	0.006	0.006	0.007	0.008
23	Karauli	0.338	0.359	0.402	0.444
24	Kota	0.121	0.127	0.143	0.158
25	Nagaur	0.011	0.012	0.013	0.015
26	Pali	0.193	0.206	0.230	0.255
27	Pratapgarh	0.477	0.506	0.567	0.627
28	Rajsamand	0.122	0.129	0.145	0.161
29	Sawai Madhopur	0.216	0.229	0.257	0.284
30	Sikar	0.091	0.097	0.107	0.119
31	Sirohi	0.274	0.291	0.324	0.358
32	Tonk	0.066	0.069	0.078	0.087
33	Udaipur	1.210	1.279	1.435	1.579
	Total	20.250	20.640	21.420	22.220

8. Industrial Water Demand

8.1 Introduction

The State of Rajasthan has made since independence significant progress in the development of basic infrastructure like irrigation, power, roads and water supply. Industrial development was virtually non-existent when Rajasthan was formed, but has received due importance in various development plans and has helped, along with agriculture, in developing the economy and the generation of employment, as would be seen from the following table.

Table B-8.1 Development of Industrial Employment in Rajasthan

Year	Employment, persons	Year	Employment, persons
1974-75	123,794	1993-94	636,489
1975-76	137,171	1994-95	659,106
1976-77	156,682	1995-96	686,566
1977-78	178,933	1996-97	720,895
1978-79	203,819	1997-98	752,675
1979-80	233,097	1998-99	789,447

Year	Employment, persons	Year	Employment, persons
1980-81	270,268	1999-00	823,934
1981-82	325,953	2000-01	857,016
1982-83	370,510	2001-02	893,881
1983-84	404,633	2002-03	927,127
1984-85	437,247	2003-04	963,475
1985-86	467,933	2004-05	1,007,135
1986-87	488,036	2005-06	1,054,541
1987-88	509,123	2006-07	1,151,048
1988-89	530,110	2007-08	1,234,829
1989-90	549,487	2008-09	1,316,267
1990-91	570,866	2009-10	1,395,979
1991-92	594,585		
1992-93	615,824		

Source: Industries Department, Rajasthan

At present Rajasthan is a major producer of blended yarn (40% of the country's Production), cement, TV picture tubes, chemicals, fertilizers and sophisticated electronic items. There is a potential for growth in agro-based industries, wool, synthetic fibers, cotton, other textiles, non-metallic mineral products, gems, machine tools and handloom.

Rajasthan plays a leading role in mineral production in India. The rich mineral base of Rajasthan provides great opportunities for setting up mineral-based industries in the State. Mineral-based industries such as cement, marble processing, granite processing and Kota stone processing, have witnessed impressive growth.

Rajasthan also has large deposits of lignite. The State's estimated reserves stand at approximately 3,000 million tonnes (MT), with a proven reserve of 1,000 MT. The major deposits are located in the districts of Barmer (800 MT), Bikaner (400 MT), and Nagaur (200 MT). Lignite can be used for power generation, as well as fuel for industry.

8.2 Water Demand

A high percentage of the demand for industrial water is for cooling purposes, of which up to 90% of the gross demand can be reused. In other industries too (like textile, alcohol, food processing, viscose, etc.), recycling and reuse have been demonstrated to be cost-effective in several industries, with periods of return on investment ranging from a few months to less than 5 years.

Water demand norms for industries have been established by various organizations.

The manual on Water Supply and Treatment (March 1991), by the Ministry of Urban Development (MOUD) gives water requirements for large industries (in m^3 per unit of production). Water requirements of small industries are proposed to be included in the demand for urban communities, and may be of the order of 3 to 10 lpcd (litres per-capita per day). The institutional and commercial water needs are also included in the demand for urban communities.

The National Industrial Development Corporation Ltd. (NIDC) has also suggested norms of water requirement for industries in Rajasthan in terms of m^3/day per unit production capacity of each industry.

The Rajasthan State Industrial Development and Investment Corporation (RIICO) have assessed industrial water demand on the basis of industrial area developed. The present industrial water requirements have been estimated at 4.54 m^3 per acre per day (i.e. 11.22 m^3 per ha per day) of industrial area developed.

The norms of water consumption based on the MOUD Manual, and those based on the NIDC report are given in Table B-8.2 below (The water demand for industries are consumptive water demand only).

Table B-8.2 Industrial Water Consumption Norms

Type of Industry	Based on NIDC* Report			Based on MOUD** Manual	
	Capacity per Year (unless otherwise stated)	Water Demand M^3/day	Employment, persons	Production Unit	Water requirement, kilo litre per Unit
Acetic Acid	20 T/day	250	100		
Alloy Steel Casting	1,500 T	50	150		
Calcium Carbide	56,100 T	500	259		
Cold Storage	20,000 T	100	30		
Di-ammonium Phosphate	100 T/day	1,000	300		
Fatty Acid	10,000 T	10,000	1,250		
Fertilizer Plant, Gas Based	2,250 T/day	40,000	1,000	Tonne	80-200
Granite Tiles	16,000 m^2	1,200	35		
Large Cement Plant	1,500 T/day	2,500	750	Tonne	1-4
Lead-Zinc Smelter	70,000 T	36,000	1,700		
Marble Cutting & Polishing	0.1 Mm^3	530	1,235		
Mica Based Industries	300 T	270	270		
Milk Chilling Plant	30,000 1 pd	10	140		
Mini Cement Plant	100 T/day	250	250		
Nylon Filament Yarn	624 T	5,000	1,100		
Oil Extraction	8 T/day	2	15		
Oil Refining	100 T/day	80	50	Tonne Crude	1-2
Polyester Filament	6,960 T	300	1,035		
Rayon Thread	2,600 T	2,000	1,686		
Roller Flour Mill	30 T/day	20	75		
Sand Lime Bricks	18 million	30	100		
Sodium Sulphate	7,700	2,000	800		
Solvent Extraction	10 T/day	20	50		
Soyabean Oil	200 T/day	200	150		
Spinning Mill	600 spindles	40	350		
Straw Board	3,000 T	1,200	100	Tonne	75-100
Super Phosphate	66,000 T	60	300		
Tannery	200 hides/day	50	200	100 kg Tanned	3-4
White Cement	150 T/day	450	250		
Mini Paper Plant	20 T/day	1,500	260	T pulp, paper	200-400
Card Board	30 T/day	6,000	200		
Viscose Filament Yarn	300 T	3,000	500		
Automobile				Vehicle	40
Distillery				Kilo litre alcohol	120-170
Steel				Tonne	200-250
Sugar				Tonne Crushed Cane	1-2
Textile Cotton				100 kg goods	8-14
Wool				100 kg goods	40
Rayon				100 kg goods	200
Dairy				M^3 milk	4-10

Type of Industry	Based on NIDC* Report			Based on MOUD** Manual	
	Capacity per Year (unless otherwise stated)	Water Demand M^3/day	Employment, persons	Production Unit	Water requirement, kilo litre per Unit
Coal				Tonne	1
Special Quality Paper				Tonne	400-1,000

* NIDC – National Industrial Development Corporation

** MOUD – Ministry of Urban Development

Source: N.I.D.C. - MOUD

Based on the norms of RIICO and the extent of industrial areas per district, the present district-wise and block-wise water demands by industries are as shown in the following table. The demand outside RIICO area has been considered as 20% of the water demand of RIICO areas (The water requirement for industries are consumptive requirement only) see Table B-9.1 of Appendix B-9.

Table B-8.3 District and Block wise Water Requirement for Industries in 2010 within and outside RIICO Area

S. No.	District	Block	RIICO Area		Outside RIICO Area	Total Water requirement in Mm^3/yr 2010
			Land Acquired in Acres	Water requirement in Mm^3/yr	Water requirement in Mm^3/yr	
1	2	3	4	5	6	7
1	Ajmer	Arain	85.12	0.14	0.03	0.17
		Bhinay	0.00	0.00	0.00	0.00
		Jawaja	260.36	0.43	0.09	0.52
		Kekri	114.27	0.19	0.04	0.23
		Kishangarh	1254.05	2.08	0.42	2.50
		Masuda	66.43	0.11	0.02	0.13
		Peesangan	345.44	0.57	0.11	0.68
		Srinagar	549.33	0.91	0.18	1.09
		Sub Total	**2675.00**	**4.43**	**0.89**	**5.32**
2	Alwar	Bansur	0.00	0.00	0.00	0.00
		Behror	1245.73	2.06	0.41	2.47
		Kathumar	8.41	0.01	0.00	0.01
		Kishangarh Bas	69.93	0.12	0.02	0.14
		Kotkasim	0.00	0.00	0.00	0.00
		Lachhmangarh	0.00	0.00	0.00	0.00
		Mandawar	0.00	0.00	0.00	0.00
		Nimarana	3529.19	5.85	1.17	7.02
		Rajgarh	40.59	0.07	0.01	0.08
		Ramgarh	2243.16	3.72	0.74	4.46
		Reni	0.00	0.00	0.00	0.00
		Thanagazi	33.12	0.05	0.01	0.06
		Tijara	5331.69	8.84	1.77	10.61
		Umren	179.76	0.30	0.06	0.36
		Sub Total	**12681.58**	**21.02**	**4.19**	**25.21**
3	Banswara	Anandpur	0.00	0.00	0.00	0.00
		Bagidora	0.00	0.00	0.00	0.00

S. No.	District	Block	RIICO Area		Outside RIICO Area	Total Water requirement in Mm^3/yr 2010
			Land Acquired in Acres	Water requirement in Mm^3/yr	Water requirement in Mm^3/yr	
1	2	3	4	5	6	7
3	Banswara	Banswara	344.27	0.57	5.39	5.96
		Choti Sarwan	0.00	0.00	0.00	0.00
		Garhi	75.08	0.12	1.73	1.85
		Ghatol	15.37	0.03	0.01	0.04
		Kushalgarh	9.45	0.02	0.00	0.02
		Sajjangarh	0.00	0.00	0.00	0.00
		Sub Total	**444.17**	**0.74**	**7.13**	**7.87**
4	Baran	Antah	0.00	0.00	0.00	0.00
		Atru	0.00	0.00	0.00	0.00
		Baran	171.51	0.28	0.06	0.34
		Chhabra	12.22	0.02	0.00	0.02
		Chhipabarod	0.00	0.00	0.00	0.00
		Kishanganj	0.00	0.00	0.00	0.00
		Shahbad	0.00	0.00	0.00	0.00
		Sub Total	**183.73**	**0.30**	**0.06**	**0.36**
5	Barmer	Balotra	1001.59	1.66	0.33	1.99
		Barmer	60.70	0.10	0.02	0.12
		Baytoo	0.00	0.00	8.93	8.93
		Chohtan	0.00	0.00	0.00	0.00
		Dhorimanna	0.00	0.00	0.00	0.00
		Sheo	0.00	0.00	0.00	0.00
		Sindhari	42.62	0.07	0.01	0.08
		Siwana	86.37	0.14	0.03	0.17
		Sub Total	**1191.28**	**1.97**	**9.32**	**11.29**
6	Bharatpur	Bayana	253.13	0.42	0.08	0.50
		Deeg	39.89	0.07	0.01	0.08
		Kaman	40.00	0.07	0.01	0.08
		Kumher	0.00	0.00	0.00	0.00
		Nadbai	0.00	0.00	0.00	0.00
		Nagar Pahari	0.00	0.00	0.00	0.00
		Rupbas	0.00	0.00	0.00	0.00
		Sewar	243.06	0.40	0.08	0.48
		Weir	0.00	0.00	0.00	0.00
		Sub Total	**576.08**	**0.96**	**0.18**	**1.14**
7	Bhilwara	Asind	0.00	0.00	0.00	0.00
		Banera	46.24	0.08	0.02	0.10
		Hurda	0.00	0.00	4.27	4.27
		Jahazpur	64.90	0.11	0.02	0.13
		Kotri	0.00	0.00	0.00	0.00
		Mandal	0.00	0.00	0.00	0.00
		Mandalgarh	35.72	0.06	0.01	0.07
		Raipur	0.00	0.00	0.00	0.00
		Sahara	0.00	0.00	0.00	0.00
		Shahpura	0.00	0.00	0.00	0.00
		Suwana	1227.74	2.03	1.96	3.99

S. No.	District	Block	RIICO Area		Outside RIICO Area	Total Water requirement in Mm^3/yr 2010
			Land Acquired in Acres	Water requirement in Mm^3/yr	Water requirement in Mm^3/yr	
1	2	3	4	5	6	7
7	Bhilwara	**Sub Total**	**1374.60**	**2.28**	**6.28**	**8.56**
8	Bikaner	Bikaner	1581.25	2.62	0.52	3.14
		Dungargarh	25.01	0.04	0.50	0.54
		Khajuwala	314.05	0.52	0.46	0.98
		Kolayat	0.00	0.00	0.00	0.00
		Lunkaransar	325.15	0.54	0.11	0.65
		Nokha	310.50	0.51	0.10	0.61
		Sub Total	**2555.96**	**4.23**	**1.69**	**5.92**
9	Bundi	Bundi	124.64	0.21	0.04	0.25
		Hindoli	0.00	0.00	0.00	0.00
		Keshoraipatan	20.00	0.03	0.01	0.04
		Nainwa	0.00	0.00	0.00	0.00
		Talera	63.14	0.10	0.02	0.12
		Sub Total	**207.78**	**0.34**	**0.07**	**0.41**
10	Chittaurgarh	Badi Sadri	0.00	0.00	0.00	0.00
		Begun	0.00	0.00	0.00	0.00
		Bhadesar	0.00	0.00	0.00	0.00
		Bhainsrorgarh	0.00	0.00	4.46	4.46
		Bhopalsagar	0.00	0.00	0.00	0.00
		Chittorgarh	204.36	0.34	10.60	10.94
		Dungla	0.00	0.00	0.00	0.00
		Gangrar	156.50	0.26	0.05	0.31
		Kapasan	215.80	0.36	0.07	0.43
		Nimbahera	293.70	0.49	10.31	10.80
		Rashmi	0.00	0.00	0.00	0.00
		Sub Total	**870.36**	**1.45**	**25.49**	**26.94**
11	Churu	Churu	82.56	0.14	0.52	0.66
		Rajgarh	120.78	0.20	0.04	0.24
		Ratangarh	264.75	0.44	0.09	0.53
		Sardarsahar	93.75	0.16	0.03	0.19
		Sujangarh	113.30	0.19	0.04	0.23
		Taranagar	62.50	0.10	0.02	0.12
		Sub Total	**737.64**	**1.23**	**0.74**	**1.97**
12	Dausa	Bandikui	71.31	0.12	0.02	0.14
		Dausa	194.33	0.32	0.06	0.38
		Lalsot	100.00	0.17	0.03	0.20
		Mahwa	79.69	0.13	0.03	0.16
		Sikrai	0.00	0.00	0.00	0.00
		Sub Total	**445.33**	**0.74**	**0.14**	**0.88**
13	Dholpur	Bari	57.37	0.10	0.02	0.12
		Baseri	0.00	0.00	0.00	0.00
		Dholpur	1775.88	2.94	0.59	3.53
		Rajakhera	453.11	0.75	0.15	0.90
		Sub Total	**2286.36**	**3.79**	**0.76**	**4.55**
14	Dungarpur	Aspur	0.00	0.00	0.00	0.00

S. No.	District	Block	RIICO Area		Outside RIICO Area	Total Water requirement in Mm^3/yr 2010
			Land Acquired in Acres	Water requirement in Mm^3/yr	Water requirement in Mm^3/yr	
1	2	3	4	5	6	7
14	Dungarpur	Bichhiwara	201.79	0.33	0.07	0.40
		Dungarpur	89.54	0.15	1.51	1.66
		Sagwara	36.04	0.06	0.01	0.07
		Simalwara	0.00	0.00	0.00	0.00
		Sub Total	**327.37**	**0.54**	**1.59**	**2.13**
15	Ganganagar	Anupgarh	86.25	0.14	0.03	0.17
		Ganganagar	407.31	0.67	2.98	3.65
		Ghadsana	399.47	0.66	0.89	1.55
		Karanpur	0.00	0.00	0.23	0.23
		Padampur	25.32	0.04	0.01	0.05
		Raisinghnagar	61.77	0.10	0.02	0.12
		Sadulshahar	63.21	0.10	0.58	0.68
		Suratgarh	82.17	0.14	0.03	0.17
		Sub Total	**1125.50**	**1.85**	**4.77**	**6.62**
16	Hanumangarh	Bhadra	23.65	0.04	0.01	0.05
		Hanumangarh	358.19	0.59	0.12	0.71
		Nohar	68.81	0.11	0.02	0.13
		Pilibanga	50.30	0.08	0.02	0.10
		Rawatsar	81.00	0.13	0.03	0.16
		Sangaria	86.65	0.14	0.03	0.17
		Tibi	0.00	0.00	0.00	0.00
		Sub Total	**668.60**	**1.09**	**0.23**	**1.32**
17	Jaipur	Amber	1829.76	3.03	0.61	3.64
		Bassi	223.04	0.37	0.07	0.44
		Chaksu	24.50	0.04	0.01	0.05
		Dudu	61.12	0.10	0.02	0.12
		Govindgarh	471.12	0.78	0.16	0.94
		Jamwa Ramgarh	149.17	0.25	0.05	0.30
		Jhotwara	1355.38	2.25	48.19	50.44
		Kotputli	0.00	0.00	0.00	0.00
		Phagi	0.00	0.00	0.00	0.00
		Sambhar	66.68	0.11	0.02	0.13
		Sanganer	3403.92	5.64	28.29	33.93
		Shahpura	93.75	0.16	0.03	0.19
		Viratnagar	333.62	0.55	0.11	0.66
		Sub Total	**8012.06**	**13.28**	**77.56**	**90.84**
18	Jaisalmer	Jaisalmer	179.24	0.30	0.06	0.36
		Sam	0.00	0.00	0.00	0.00
		Sankra	60.00	0.10	0.02	0.12
		Sub Total	**239.24**	**0.40**	**0.08**	**0.48**
19	Jalore	Ahore	0.00	0.00	0.00	0.00
		Bhinmal	0.00	0.00	0.00	0.00
		Chitalwana	0.00	0.00	0.00	0.00
		Jalore	264.40	0.44	0.09	0.53
		Jaswantpura	26.23	0.04	0.01	0.05

S. No.	District	Block	RIICO Area		Outside RIICO Area	Total Water requirement in Mm^3/yr 2010
			Land Acquired in Acres	Water requirement in Mm^3/yr	Water requirement in Mm^3/yr	
1	2	3	4	5	6	7
19	Jalore	Raniwara	0.00	0.00	0.00	0.00
		Sanchore	50.00	0.08	0.02	0.10
		Sayla	50.00	0.08	0.02	0.10
		Sub Total	**390.63**	**0.64**	**0.14**	**0.78**
20	Jhalawar	Bakani	0.00	0.00	0.00	0.00
		Dag	0.00	0.00	0.00	0.00
		Jhalrapatan	670.52	1.11	0.22	1.33
		Khanpur	0.00	0.00	0.00	0.00
		ManoharThana	16.11	0.03	0.01	0.04
		Pirawa	0.00	0.00	0.00	0.00
		Sub Total	**686.63**	**1.14**	**0.23**	**1.37**
21	Jhunjhunu	Alsisar	0.00	0.00	0.00	0.00
		Buhana	18.75	0.03	0.01	0.04
		Chirawa	62.50	0.10	0.02	0.12
		Jhunjhunu	244.54	0.41	0.08	0.49
		Khetri	0.00	0.00	7.70	7.70
		Nawalgarh	0.00	0.00	0.00	0.00
		Surajgarh	59.09	0.10	0.02	0.12
		Udaipurwati	0.00	0.00	0.00	0.00
		Sub Total	**384.88**	**0.64**	**7.83**	**8.47**
22	Jodhpur	Balesar	0.00	0.00	0.00	0.00
		Bap	0.00	0.00	0.00	0.00
		Bawari	0.00	0.00	0.00	0.00
		Bhopalgarh	1012.30	1.68	0.34	2.02
		Bilara	337.43	0.56	0.11	0.67
		Luni	103.72	0.17	0.03	0.20
		Mandore	1753.68	2.91	0.58	3.49
		Osian	39.20	0.06	0.01	0.07
		Phalodi	128.00	0.21	0.04	0.25
		Shergarh	0.00	0.00	0.00	0.00
		Sub Total	**3374.33**	**5.59**	**1.11**	**6.70**
23	Karauli	Hindaun	170.95	0.28	0.30	0.58
		Karauli	35.01	0.06	0.01	0.07
		Nadoti	0.00	0.00	0.00	0.00
		Sapotra	0.00	0.00	0.00	0.00
		Todabhim	0.00	0.00	0.00	0.00
		Sub Total	**205.96**	**0.34**	**0.31**	**0.65**
24	Kota	Itawa	0.00	0.00	0.00	0.00
		Khairabad	192.16	0.32	0.06	0.38
		Ladpura	3091.19	5.12	9.58	14.70
		Sangod	0.00	0.00	0.00	0.00
		Sultanpur	0.00	0.00	17.86	17.86
		Sub Total	**3283.35**	**5.44**	**27.50**	**32.94**
25	Nagaur	Degana	0.00	0.00	0.00	0.00
		Didwana	77.56	0.13	0.03	0.16

S. No.	District	Block	RIICO Area		Outside RIICO Area	Total Water requirement in Mm^3/yr 2010
			Land Acquired in Acres	Water requirement in Mm^3/yr	Water requirement in Mm^3/yr	
1	2	3	4	5	6	7
25	Nagaur	Jayal	0.00	0.00	0.00	0.00
		Kuchaman city	0.00	0.00	0.00	0.00
		Ladnu	41.00	0.07	0.01	0.08
		Makrana	286.72	0.48	0.10	0.58
		Merta	53.60	0.09	0.02	0.11
		Mundwa	0.00	0.00	0.00	0.00
		Nagaur	820.56	1.36	0.27	1.63
		Parbatsar	97.20	0.16	0.03	0.19
		Riyan	0.00	0.00	0.00	0.00
		Sub Total	**1376.64**	**2.29**	**0.46**	**2.75**
26	Pali	Bali	128.95	0.21	0.04	0.25
		Desuri	0.00	0.00	0.00	0.00
		Jaitaran	875.23	1.45	0.29	1.74
		Kharchi (Marwar Junction)	10.41	0.02	0.00	0.02
		Pali	836.06	1.39	0.28	1.67
		Raipur	49.27	0.08	0.02	0.10
		Rani Station	0.00	0.00	0.00	0.00
		Rohat	0.00	0.00	0.00	0.00
		Sojat	356.55	0.59	0.12	0.71
		Sumerpur	90.44	0.15	0.03	0.18
		Sub Total	**2346.91**	**3.89**	**0.78**	**4.67**
27	Pratapgarh	Arnod	0.00	0.00	0.00	0.00
		Chhoti Sadri	0.00	0.00	0.00	0.00
		Dhariyawad	0.00	0.00	0.00	0.00
		Pipalkhoont	0.00	0.00	0.00	0.00
		Pratapgarh	46.16	0.08	0.02	0.10
		Sub Total	**46.16**	**0.08**	**0.02**	**0.10**
28	Rajsamand	Amet	0.00	0.00	0.00	0.00
		Bhim	0.00	0.00	0.00	0.00
		Deogarh	0.00	0.00	0.00	0.00
		Khamnor	0.00	0.00	0.00	0.00
		Kumbhalgarh	0.00	0.00	0.00	0.00
		Railmagra	0.00	0.00	6.03	6.03
		Rajsamand	209.08	0.35	2.62	2.97
		Sub Total	**209.08**	**0.35**	**8.65**	**9.00**
29	Sawai Madhopur	Bamanwas	0.00	0.00	0.00	0.00
		Bonli	0.00	0.00	0.00	0.00
		Gangapur	144.30	0.24	0.05	0.29
		Khander	0.00	0.00	0.00	0.00
		Sawai Madhopur	282.24	0.47	0.09	0.56
		Sub Total	**426.54**	**0.71**	**0.14**	**0.85**
30	Sikar	Danta Ramgarh	35.62	0.06	0.01	0.07
		Dhond	0.00	0.00	0.00	0.00
		Fatehpur	9.25	0.02	0.00	0.02

S. No.	District	Block	RIICO Area		Outside RIICO Area	Total Water requirement in Mm^3/yr 2010
			Land Acquired in Acres	Water requirement in Mm^3/yr	Water requirement in Mm^3/yr	
1	2	3	4	5	6	7
30	Sikar	Khandela	10.00	0.02	0.00	0.02
		Lachhmangarh	0.00	0.00	0.00	0.00
		Neem Ka Thana	89.44	0.15	0.03	0.18
		Piprali	499.41	0.83	0.17	1.00
		Srimadhopur	560.88	0.93	0.19	1.12
		Sub Total	**1204.60**	**2.01**	**0.40**	**2.41**
31	Sirohi	Abu Road	742.56	1.23	0.25	1.48
		Pindwara	139.78	0.23	2.50	2.73
		Reodar	7.23	0.01	0.00	0.01
		Sheoganj	176.06	0.29	0.06	0.35
		Sirohi	857.62	1.42	0.28	1.70
		Sub Total	**1923.25**	**3.18**	**3.09**	**6.27**
32	Tonk	Deoli	59.29	0.10	0.02	0.12
		Malpura	101.91	0.17	0.03	0.20
		Niwai	339.57	0.56	0.44	1.00
		Todaraisingh	0.00	0.00	0.00	0.00
		Tonk	100.00	0.17	0.03	0.20
		Uniara	0.00	0.00	0.00	0.00
		Sub Total	**600.77**	**1.00**	**0.52**	**1.52**
33	Udaipur	Bargaon	160.00	0.27	0.05	0.32
		Bhindar	0.00	0.00	0.00	0.00
		Girwa	1319.99	2.19	14.03	16.22
		Gogunda	0.00	0.00	0.00	0.00
		Jhadol	0.00	0.00	0.00	0.00
		Kherwara	0.00	0.00	0.00	0.00
		Kotra	0.00	0.00	0.00	0.00
		Lasadiya	0.00	0.00	0.00	0.00
		Mavli	148.50	0.25	0.05	0.30
		Rishabhdeo	0.00	0.00	0.00	0.00
		Salumbar	0.00	0.00	0.00	0.00
		Sarda	0.00	0.00	0.00	0.00
		Sub Total	**1628.49**	**2.71**	**14.13**	**16.84**
Grand Total			**54690.85**	**90.65**	**206.48**	**297.13**

Source: RIICO Rajasthan, WRD report 2009, Industries Department, Rajasthan and District MSME Reports

Note: Column 5 = (Column 4 x 4.54 x 365)/10^6
Column 6 = 20% of Column 5
Column 7 = Column 5 + Column 6

The following table presents quantities of water reserved for industrial consumption in dams, tanks, canals, rivers etc. according to different decrees by government authorities.

Table B-8.4 Reservation of Water to Industries and Other Establishments from Dams and Canals

	District	Name of the Industry or Establishment	Name of Dam or Canal	Sanctioned Qty. of water, cumec	Sanction Number and Date
Kota Zones					
1	Kota	Chambal Fertilizer & Chambal Ltd. Gadepan Kota	Kalisindh River	(20 cusec) 0.566	F-12(19)(irrig)/88 Dated 05.03.90
2	Kota	Soyabean Plant Kota	Chambal River	(0.017 cft per Day) .005 cmt per day	
3	Chittorgarh	Heavy Water Plant Rawatbhata	RPS Dam	(4 cusec) 0.113	F-12(I) Irrig Dated 18.01.2002
4	Chittorgarh	Hindustan Co. Company Rawatbhata	RPS Dam	(1 cusec) 0.028	4198 Dated. 04.03.2003
Jodhpur Zone					
5		Laxmi Cement Corp. Ltd. J.K. Puram Banas Tehsil Pindwara	West Banas Dam	(31 mcft) 0.878	Extension of agreement vide no. D5(22)WR/MK/08 Dated 22.10.08
Udaipur Zone					
6	Chittorgarh	H.Z.L. Rajpura Dariba	Matrikundia	(213 mcft) 6.030	Agreement March 1990
7	Chittorgarh	H.Z.L. Chanderia Smelter	Gosunda Dam	(1100 mcft) 31.141	Decided in the meeting held on 1.11.06 under the chairmanship of Hon'ble Minister Industries
8	Bhilwara	H.Z.L. Rampura Agoocha	Bansa River Tehsil Kotra	(150.80 mcft) 4.269	From 4/1991
9	Udaipur	H.Z.L. Debari Smelter	Udai Sagar	(180 mcft) 5.096	F-12(8)/Irrig/93 Dated 21.05.97
10	Udaipur	H.Z.L. Debari Smelter	Mansi Wakal Dam	(240 mcft) not Started 6.794	-
11	Udaipur	H.Z.L. Jawar Mines	Tidi Dam	(300 mcft) 8.493	Agreement executed on dated 17.09.76 & renewed on dated 19.04.07
12	Bhilwara	For Industries	Gosunda Dam	(1100 mcft) (at plant) 31.141	Meeting dated 01.11.08
13	Bhilwara	Jindal Saw Ltd. Iron Ore Plant Suras Tehsil Mandal	Kothari Dam	(55 mcft) (at plant) 1.557	DS(Projects) No.106-107 dated 19.04.08
14	Rajsamand	M/S J.K. Industries Kankroli	Rajsamand Dam	(41 mcft) 1.161	Agreement dated 21.03.2006
Mahi Project Banswara					
15	Banswara	M/S Banswara Sintex Ltd. Banswara	Kagdi Pickup Weir	(64.66 mcft) 1.831	F-2(4) IMK/94-I Dated 24.08.06
16	Banswara	LNG Group of Industries (Rajasthan Spinning & Weaving Mills Ltd)	Local Nallah Near Chanduji ka Gadha	(3.22 mcft) 0.091	F-2(4) IMK/94-I Dated 24.08.06
North Zone, Hanumangarh					
17	Sri Ganganagar	M/S Balaji Bricks Industries, Chak 8 SDP	Sundarpura Minor (Bhakra System)	(033 cusec) 0.934	OSD WR No.F-7(9)WR/94-III Dated 08.09.2006
18	Sri Ganganagar	Govt. College	A Choti Minor RD	(0.30 cusec)	-

	District	Name of the Industry or Establishment	Name of Dam or Canal	Sanctioned Qty. of water, cumec	Sanction Number and Date
			2-3 (R), (Gang Nahar System)	0.008	
19	Sri Ganganagar	Stadium	A Choti Minor RD 2-3 (R), (Gang Nahar System)	(0.20 cusec) 0.006	-
20	Sri Ganganagar	Raj. State Sugar Mills Sri Ganganagar	A Choti Minor RD 3.750	(2.00 cusec) 0.057	SE No. 1103 Dated 05.04.2004
21	Sri Ganganagar	J.C.T. Mills Sri Ganganagar	A Choti Minor RD 3.900	(1.00 cusec) 0.028	SE No. 1277 Dated 25.07.69
22	Sri Ganganagar	Bharat Nursery	A Choti Minor RD 1.000	(0.03 cusec) 0.001	-
23	Sri Ganganagar	Gurudwara Hargovind Sahib Chak 5 A Chhoti	A Choti Minor RD 18.730	(0.13 cusec) 0.004	-
24	Sri Ganganagar	Saint Soldier Public School	A Choti Minor RD 24.476 (L)	(0.03 cusec) 0.001	-
25	Sri Ganganagar	Smt. Indira Rajpal Fisheries Chuck 9 A Chhoti	A Choti Minor RD 34.300 (L)	(0.52 cusec) 0.015	OSD No.F-27(13) IMK/98Dated 13.01.2003
26	Sri Ganganagar	Singla Bricks Udyog	A Choti Minor RD 40.500	(0.03 cusec) 0.001	OSD WR No.F-7(9) IMK/94-II Dated 04.04.2002
27	Sri Ganganagar	Kamra Bottling Co. Sri Ganganagar	Z Distributary RD 12.200 (R)	(0.07 cusec) 0.002	Orders of Hon'ble High Court
28	Sri Ganganagar	Khalsa College Sri Ganganagar	Z Distributary RD 15 (L)	(0.52 cusec) 0.015	-
29	Sri Ganganagar	Nijar Dairy Chak 9 Z	Z Distributary RD 27.900 (R)	(0.30 cusec) 0.008	-
30	Sri Ganganagar	Nishan Singh Fisheries	O Minor RS 32.544	(0.11 cusec) 0.003	Orders of Hon'ble High Court
31	Sri Ganganagar	Balaji Bricks Udyog Chak 12 O	O Minor RD 45.805	(0.03 cusec) 0.001	OSD No.F-7(9) IMK/94-III Dated 24.11.2006
32	Sri Ganganagar	Cooperative Supply & Commission Agent Sri Karanpur Chak 13 (O)	O Minor RD	(0.06 cusec) 0.002	-
33	Sri Ganganagar	Birla Cotton & Ginning Processing Factory Kesarisinghpur Chak1 U	U Minor	(0.03 cusec) 0.001	-
34	Sri Ganganagar	Mahaveer Cotton & Ginning Factory Kesarisinghpura Chak 1 U	U Minor	(0.03 cusec) 0.001	-
35	Sri Ganganagar	R.S.E.B.	BB Distributary RD 71-72	(0.13 cusec) 0.004	-
36	Sri Ganganagar	GG Girls College Chuck 25 BB	BB Distributary RD 71-72	(0.03 cusec) 0.001	-
37	Sri Ganganagar	Sh. Balbant Singh Krishi Pandit Agriculture Research Station	GG Distributary – I RD 16.350 (R)	(0.43 cusec) 0.012	SE N. 505 Dated 27.04.05
38	Sri Ganganagar	Bhupendra Singh S/o	GG Distributary – I	(0.30 cusec)	SE N. 2907 Dated

	District	Name of the Industry or Establishment	Name of Dam or Canal	Sanctioned Qty. of water, cumec	Sanction Number and Date
		Balwant Singh (Fisheries)	RD 16.350 (R)	0.008	04.06.90
39	Sri Ganganagar	Rakesh Kumar Praveen Kumar Chak 21	J Minor RD 14954	(0.03 cusec) 0.001	OSD No.F-7(9) IMK/94- Dated 05.03.2003
40	Sri Ganganagar	Gausshala Daulatpura	Q Minor RD 14954	(0.03 cusec) 0.001	CE No. 17998 Dated 18.10.94
41	Sri Ganganagar	Vivek Ashram Mohanpura	Chori B Minor RD 8.105 (R)	(0.70 cusec) 0.020	CE No. 17219 Dated 28.09.94
42	Sri Ganganagar	Gurudwara Nanksar 42 F	F Branch RD 134-135	(0.20 cusec) 0.006	-
43	Sri Ganganagar	Jai Shri Hanuman Chanana Dham	CC Minor	(0.05 cusec) 0.001	SE No. 4359 Dated 16.10.97
44	Sri Ganganagar	M/s Ram Kripa Bricks Industries	T Minor RD 7.540	(0.03 cusec) 0.001	OSD No.F-7(9) IMK/94-III 2500 Dated 24.03.2005
45	Sri Ganganagar	M/s Jai Durga Bricks Chak 52 F	F Roopnagar Distributary	(0.03 cusec) 0.001	OSD No.F-7(9) IMK/94-III Dated 24.03.2005
46	Sri Ganganagar	Parmanand Bricks Industries Chak 1 F(A)	F A Minor	(0.05 cusec) 0.001	Court Order
47	Sri Ganganagar	Sh. Krishan Sudama Gow Sewa Samiti Chuck 2 D.D.	D.D. Minor Rd 13.968 (R)	(0.033 cusec) 0.001	OSD WR Jaipur F 7 (27) IMK/96-II Dated 12.08.2005
48	Sri Ganganagar	RIICO	L.N.P. Main Distributary RD 74-76 (R)	(0.30 cusec) 0.008	E.E. No.1899 Dated 06.07.84
49	Sri Ganganagar	Gagan gas Agency	C Minor RD 8342	(0.033 cusec) 0.001	E.E. No.1092 Dated 15.05.84
50	Sri Ganganagar	Gurunanak Cold Store	PS Distributary RD 8-9 (R)	(0.033 cusec) 0.001	-
51	Sri Ganganagar	M/s Khandliya Oil And General Mills Ltd.	LNP Main Distributary RD 77	(0.042 cusec) 0.001	OSD No.F-7(9) IMK/94-I Dated 03.08.98
52	Sri Ganganagar	Hotel Vikaramaditya	E- Minor of Gang Canal System	(0.027 cusec) 0.001	F 27(03)OSD/WR/07 Dated 07.04.10
53	Sri Ganganagar	Sh. Ganganagar Commercial Pvt. Ltd. Cotton Industries	E- Minor of Gang Canal System	(0.029 cusec) 0.001	F 27(03)OSD/WR/07 Dated 07.04.10
54	Sri Ganganagar	RIICO Ghadsana	Anoopgarh Branch	(0.25 cusec) 0.007	S.E. Sh. Vijay Nagar No. 10837 Dated 20.02.95
55	Sri Ganganagar	RIICO Rawala	Foolser Distributary	(0.25 cusec) 0.007	S.E. Sh. Vijay Nagar No.3400 Dated 26.10.96
56	Sri Ganganagar	BSF Satrana	Momewali Distributary	(0.30 cusec) 0.008	S.E. Sh. Vijay Nagar No. 550 Dated 06.01.94
57	Sri Ganganagar	BSF Anoopgarh	Anoopgarh Distributary	(0.85 cusec) 0.024	S.E. Sh. Vijay Nagar No. 7663 Dated 11.08.87
58	Sri Ganganagar	RIICO Anoopgarh	MSR Minor	(0.25 cusec) 0.007	-
59	Sri Ganganagar	Police Choki	Satrana Minor	(0.20 cusec)	S.E. Sh. Vijay Nagar

	District	Name of the Industry or Establishment	Name of Dam or Canal	Sanctioned Qty. of water, cumec	Sanction Number and Date
		Ghadasana		0.006	No. 2476 Dated 15.06.95
60	Sri Ganganagar	BSF Khajuwala	Khajuwala Distributary	(0.20 cusec) 0.006	E.E. D.O. II Ghadsana Dated 24.07.94
61	Sri Ganganagar	Urmul Dugdh Dairy lkai Chatargarh	Awa Minor	(0.15 cusec) 0.004	E.E. D.O. II Ghadsana Dated 01.01.85
IGNP					
62	Bikaner	Oil India Ltd.	IGNP	(0.25 cusec) 0.007	F.6(4)/IGNM/03 Dated 13.07.2004
63	Barmer	ONGC	IGNP	(10 cusec) 0.283	F.6(4)/IGNM/03 Dated 14.06.2005

Source: WRD, Rajasthan

8.3 Future Projections of Water Demand for Industries

The water demands for the industries have been worked out on basis of industrial area developed. Additional Chief Engineer RIICO, Jaipur provided the RIICO Industrial Area in all the districts of Rajasthan and also provided water demand per year for those industrial areas. The block-wise distribution of these industrial areas was taken from the district Industrial Profile reports prepared by MSME-Development Institute under Ministry of MSME (Micro, Small and Medium and Enterprises), Govt. of India. On the basis of norms of RIICO, the industrial water demand for industries in RIICO area scattered in various blocks of Rajasthan has been worked out. Besides it, there are many industries outside the RIICO area at various locations. For the industries outside RIICO area it has been assumed that their requirement would be 20% of the water demand of the RIICO area. Besides it, at some, locations, there are industries having more than 20% industrial area and having more water demand than that of RIICO area. Such information collected from industry department and from WRD reports of 2009, have been incorporated while working out water demand outside RIICO area.

The projections have been made for the year 2020, 2040 and 2060. It is anticipated that, due to globalization there would be rapid expansion of industries which will result increase in water demand also. It has been estimated that there would be 25% more water demand in the next decade. Hence while projecting water demand 25% increase per decade has been considered. The future projections of water demand for industries districtwise and blockwise have been worked out in Table 1.1 (Appendix B-9). Table B-8.5 summarizes the district-wise present and projected industrial water demand.

Table B-8.5 District-wise Present and Projected Industrial Water Demand

S. No.	District	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
1	Ajmer	5.32	6.65	10.40	16.25
2	Alwar	25.21	31.53	49.28	77.01
3	Banswara	7.87	9.84	15.38	24.04
4	Baran	0.36	0.46	0.72	1.13
5	Barmer	11.29	14.11	22.05	34.46
6	Bharatpur	1.14	1.43	2.24	3.50
7	Bhilwara	8.56	10.71	16.73	26.14

S. No.	District	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
8	Bikaner	5.92	7.41	11.58	18.09
9	Bundi	0.41	0.51	0.79	1.24
10	Chittaurgarh	26.94	34.97	54.64	85.38
11	Churu	1.97	2.47	3.86	6.02
12	Dausa	0.88	1.11	1.73	2.70
13	Dholpur	4.55	5.69	8.89	13.90
14	Dungarpur	2.13	2.67	4.17	6.52
15	Ganganagar	6.62	8.27	12.92	20.19
16	Hanumangarh	1.32	1.65	2.57	4.01
17	Jaipur	90.84	113.56	177.44	277.25
18	Jaisalmer	0.48	0.60	0.93	1.45
19	Jalore	0.78	0.98	1.52	2.37
20	Jhalawar	1.37	1.71	2.67	4.18
21	Jhunjhunu	8.47	10.59	16.54	25.85
22	Jodhpur	6.70	8.38	13.08	20.44
23	Karauli	0.65	0.82	1.28	2.00
24	Kota	32.94	41.19	64.36	100.57
25	Nagaur	2.75	3.45	5.40	8.42
26	Pali	4.67	5.86	9.16	14.31
27	Pratapgarh	0.10	0.13	0.20	0.31
28	Rajsamand	9.00	11.25	17.58	27.47
29	Sawai Madhopur	0.85	1.06	1.65	2.58
30	Sikar	2.41	3.03	4.74	7.41
31	Sirohi	6.27	7.84	12.26	19.16
32	Tonk	1.52	1.90	2.96	4.63
33	Udaipur	16.84	24.45	38.20	59.68
	Total	**297.13**	**376.28**	**587.92**	**918.66**

Water Supply and Demand by Districts

PART C – Water Supply and Demand Balance

1. Introduction

The Rajasthan State comprises of 33 districts and 249 administrative blocks. In accordance with the ToR of the "Study on Planning of Water Resources of Rajasthan State", district-wise and block-wise supply and demand water balances have been prepared for various non-agricultural and agriculture uses in the Rajasthan State. The district-wise and block-wise water supply and demand in each district of Rajasthan has been simulated, using a software tool for integrated water resources planning – WEAP (**W**ater **E**valuation **A**nd **P**lanning). The WEAP tool user Guide and Tutorial are given in Appendix C-1(a) to understand its working.

As stated in the ToR, the purpose of computing future water balances is

a. to identify areas of shortage
b. to identify unutilized water
c. to identify strategies to fill gap

This section of Report 4.6 describes each of the district-wise and block-wise water balances with an analysis of the results, to provide a forecast of water resources availability and accessibility in the future of the Rajasthan State.

2. Approach

The Consultants have approached the present study of water supply and demand with a special sense of importance because its outcome is a State water balance that enables the assessment of the viability of existing water schemes and in the future should guide the planning of new development schemes.

The actual and future planning stage long-term water balance comprises an analysis of water availability in the years 2010, 2020, 2040 and 2060, in four probable climatic dependability levels, as specified in the ToR. The climatic dependability levels are defined as 25%, 50%, 75% and 90%.

The water balance takes into consideration demand and supply for water in each block. The water demands considered are domestic, livestock, institutional, irrigation, power station's cooling, wildlife and industrial. The methodology of assessment of the water demands for each use is detailed in Part B of this report.

The supply component includes local and imported surface water and groundwater. The surface water includes major, medium and minor dams, diversion structures, water harvesting structures such as anicuts, nadi, talab, ponds and tanks etc. The total availability of water is assessed and presented in Final Report No. 4.2 on "Surface and Ground Water Availability", Final Report No. 4.3 on "Detailed Study of Catchment Areas" and Final Report No. 4.4 on "Groundwater Study by Agroclimatic Zones".

3. Methodology

The 33 districts of the Rajasthan State (Figure C-3.1) and their associated 249 blocks have been simulated with the integrated water-planning tool WEAP (Water Evaluation And Planning). Annual demand and supply balances were calculated for dependability levels of 25%, 50%, 75% and 90% for the years 2010, 2020, 2040 and 2060.

Figure C-3.1 The Rajasthan State districts

A total of 33 simulations were conducted. The 33 simulations include simulations of each of the 33 districts individually. In each simulation of the WEAP tool, the different types of demand within the domain are represented with demand nodes and the different water resources are represented with supply nodes. Transmission links connect between the demand nodes and the supply nodes allowing the transfer of water.

3.1 Planning Stages and Dependability Levels

The simulation of each district comprises 16 scenarios, representing the following combinations of planning stages and dependability levels:

- Planning stage 2010 and dependability level 25%
- Planning stage 2010 and dependability level 50%
- Planning stage 2010 and dependability level 75%
- Planning stage 2010 and dependability level 90%
- Planning stage 2020 and dependability level 25%
- Planning stage 2020 and dependability level 50%
- Planning stage 2020 and dependability level 75%
- Planning stage 2020 and dependability level 90%
- Planning stage 2040 and dependability level 25%
- Planning stage 2040 and dependability level 50%
- Planning stage 2040 and dependability level 75%
- Planning stage 2040 and dependability level 90%
- Planning stage 2060 and dependability level 25%
- Planning stage 2060 and dependability level 50%
- Planning stage 2060 and dependability level 75%
- Planning stage 2060 and dependability level 90%

The different planning stages impact the non-agricultural water demand, their respective allocated water from dams, the on-farm and off-farm irrigation efficiency, the silt accumulated in dams and the integration of on-going dams.

The different dependability levels impact the availability of surface water (in dams, diversion structures and canals) and the net crop water requirements.

3.2 Time-step

The data was entered on a monthly basis in order to improve the estimation of the evaporation and spills from dams and thus of the annual water balance. Each year was simulated from June to May in order to begin the simulation with the filling of dams during the monsoon period.

3.3 Initial Conditions

Initial conditions for district, planning stage and dependability level were the same for each run and are described below.

As regards surface water sources:

- The dams were supposed to be empty at the beginning of the simulations (June), which means that all the water available from a given monsoon period is assumed to be utilized before the beginning of the following monsoon period
- The initial live storage capacity and dead storage of dams were given values supposed to exclude the volume currently occupied by silt accumulation.
- The volume of water imported from outside of the Rajasthan State through canals was supposed to be available from the beginning of the simulations i.e. June, which is the monsoon period to May.

A regards groundwater sources:

- The annual volume available for supply was supposed to be available from the beginning of the simulations (June) and is equal to the long-term mean annual recharge.

3.4 Topology

The topology of each district in the WEAP tool consists in aggregative nodes representing either a demand or a water resource and links between these nodes representing the supply system. The nomenclature used to represent those different nodes in the WEAP tool is explained in Appendix C-1 (Tables C-1.1 to C-1.5).

The definition of the demand nodes and the water resource nodes was made according to general principles that are the same for all districts and are described in this section. The definition of the links between the nodes was also based on general assumptions. The precise and full list of all connections between the different nodes is presented in Appendix C-2, Table C-2.1.

3.4.1 Water Demand Nodes

The different types of non-agricultural demand considered in the simulations are the following ones:

- Urban Domestic (including Institutional)
- Rural Domestic (including Institutional)
- Livestock
- Power plants (only the consumptive use)
- Wildlife
- Industry

Each block includes an aggregative demand node for each of the above non-agricultural types (except in the cases where there is no demand in the given type). If there are several towns in a given block, the urban demand is represented by an aggregative node for all the towns or by a separate node for each town.

Moreover, each block generally includes several nodes associated to the agricultural demand, according to the following principles:

- If there are different CCAs associated to different major dam/medium dam/diversion structure/canal in a same block, there is a separate node for each of them
- If the CCA of a given major dam/medium dam/diversion structure/canal spreads over several blocks, there is a separate node in each block
- The existing minor structures (minor dams, WHS, tanks, ponds, anicuts, etc.) are aggregated in one node in each block
- The on-going minor structures are aggregated in one node in each block (different from the node representing the existing minors structures)
- The agriculture outside of the command of any surface water structure is aggregated in one node in each block

3.4.2 Water Resources Nodes

Each water resource considered in the simulations falls under one of the following categories:

- Major dam
- Medium dam
- Diversion structure
- Canal importing water from outside of the Rajasthan State
- Minor structures (minor dams, WHS, tanks, ponds etc.)
- Intake on a river
- Groundwater

On-going structures were also integrated in future years from the planning stage 2020. The summary of the different on-going structures considered is presented in the Appendix C-3, Table C-3.3 and Appendix C-6, Table C-6.2 of this report.

The surface water resources nodes were defined according to the following principles:

- Each major dam is represented by one node
- Each medium dam is represented by one node
- Each diversion structure is represented by one node
- Canals from outside Rajasthan providing water to several districts are represented by a different node for each canal and for each district
- In each block, all the existing minor structures are aggregated in one node
- In each block, all the on-going minor structures are aggregated in one node (if there are on-going minors structures)
- Each intake considered is represented by one node

The groundwater resource nodes were defined relatively to the non-agricultural and agricultural demand nodes.

3.4.3 Supply System

The supply system is represented by links between nodes allowing the supply of water from a resource node to a demand node and in some cases from a resource node to another resource node (cases such as spills from a dam to another dam or diversion systems).

The connections between resource and demand nodes were defined according to the following principles:

- Demand nodes representing agriculture outside the command of any surface water structure are connected to their associated groundwater node
- Demand nodes representing agriculture inside a given CCA are connected to their associated groundwater node and to the surface water node of same CCA
- Urban, rural and industrial demand nodes are connected to one or several resource nodes representing the groundwater that is in the same block ; in most cases, they are connected to the resource node representing the groundwater outside the command of any surface water structure but in cases where this resource was not enough they are also connected to the resource nodes representing the groundwater inside command area; if there is a committed volume of water from a given surface water node for them, they are also connected to this last one and they cannot receive more water than the committed volume from the dam
- Livestock demand nodes are connected to the resource node representing the existing minor dams that falls in the same block and to one or several resource nodes representing the groundwater that is in the same block

- Power plants demand nodes are connected to the surface water resources nodes that have a committed volume of water for them
- Wildlife demand nodes are connected to the resource node representing the existing minor dams that falls in the same block (except in the Bharatpur district where the wildlife demand is far bigger than in all other districts)

A full list of all the connections between the different demand and resource nodes for each simulated district is detailed in Appendix C-2, Table C-2.1.

3.5 Parameters and Constraints

This section explains what are the parameters and their associated constraints used in the simulations for the different WEAP objects: demand nodes, water resource node, and links between nodes. Table C-3.1 summarizes all the parameters used.

Table C-3.1 List of Parameters Used in the Simulation

Type of object	Object	Parameter	Unit
Demand node	Non-agricultural or agricultural demand node	Monthly water demand	Mm^3/yr
		Priority to be supplied	-
Water resource node	Groundwater node	Annual Recharge	Mm^3/yr
	Major/medium dam node	Monthly inflow	$Mm^3/month$
		Gross Storage Capacity	Mm^3
		Dead storage	Mm^3
		Volume-elevation Table	Mm^3-m
		Monthly evaporation rate	Mm/month
		Silt accumulation rate	$m^3/km^2/yr$
		Free Catchment Area	km^2
		Filling priority	-
	Minor structures node	Total storage capacity of minor dams	Mm^3
		Total water spread area of small water bodies	Km^2
		Assumed depth of small water bodies	m
		Monthly evaporation rate	mm/month
	Canal node	Annual inflow	Mm^3/yr
	Diversion node	Monthly inflow	$Mm^3/month$
	Intake node	Monthly inflow	$Mm^3/month$
Supply system	Link between nodes	Annual allocation for the destination node	$Mm^3/month$
		Supply priority	-
		Loss coefficient	%

3.5.1 Water Demand Nodes

Demand nodes are attributed the following parameters:

- Monthly water demand
- Priority to be supplied

The non-agricultural demand nodes (Urban, Rural, Livestock, Power Plant, Wildlife, Industry) are attributed an annual gross water demand different for each simulated planning stage (2010, 2020, 2040 and 2060) that is equally distributed in 12 months. The methodology used to estimate the annual non-agricultural demand is presented in Part B of this report. The associated values entered in WEAP for the simulations are detailed in Appendix C-4, Tables C-4.1 to C-4.5.

The agricultural demand nodes are attributed a monthly net water demand different for each dependability level (25%, 50%, 75% and 90%) calculated as the product of the

monthly net crop water requirement (in m^3/ha/month) and the cultivable area (in ha). There is a net crop water requirement scheme for each district plus also a special scheme for the irrigable area under the command area of Narmada Canal. Those schemes are presented in Appendix C-5, Table C-5.2 of this report. The cultivable area used to compute the agricultural demand inside CCA is the CCA or sum of CCA of each minor structure for the agricultural node representing the aggregation of agricultural demand inside command of minor structures. As regards the agricultural demand nodes outside command area (one node per block), the irrigable areas were calculated as the difference between the total irrigable area in the block minus the CCA of all dams/diversions/canals in the same block. The CCA of each major and medium structure appear in Appendix C-3, Table C-3.1. The sum of CCA of minor structures per block is summarised in Appendix C-6, Table C-6.1. The block-wise irrigable area outside of the command of any surface water structure is summarised in Appendix C-5, Table C-5.1.

Each demand node is also attributed a priority to be supplied. Urban and Rural nodes have to be supplied on first priority. The Wildlife nodes are also supplied first in all districts as their demand is very small as compared to other demands except in Bharatpur district. Indeed, this demand represents a volume of water directly used by the wildlife (except in the Bharatpur district where the demand comes from the Keoladeo National Park and is supplied by a dam). Then the supply to other nodes is realised according to the following order: Livestock, Power Plant, Industry and Agriculture. This is with consideration that water is utilized in parallel by different consumers and the water requirements which are relatively much smaller than irrigation shall be fulfilled and the shortages will be there in irrigation supply.

3.5.2 Water Resource Nodes

As explain above, water resource nodes are classified according to the following categories:

- Groundwater
- Major/medium dam
- Minor structures (which represents an aggregation of all minor structures in each block)
- Canal
- Diversion
- Intake

The different parameters associated to each category of water resource node are explained here after.

- Groundwater nodes are attributed a unique parameter :
  - An annual recharge

The annual recharge represents the annual volume of groundwater available for supply. All this volume is supposed to be available from the first month of simulations (June). This volume does not depend on dependability levels but it can depend on planning stages if there are on-going dams in the district (the total remains the same but the distribution inside CCA and outside CCA change). The values of annual recharge entered in WEAP for each groundwater node is detailed in Appendix C-7, Table C-7.1.

- Major and medium dam nodes are attributed the following parameters:
  - A monthly inflow

- A Gross Storage Capacity (GSC)
- A dead storage
- A volume-elevation Table
- A monthly evaporation rate
- A silt accumulation rate
- A Free Catchment Area (FCA)
- An on farm losses coefficient
- An off farm losses coefficient
- A filling priority

Each major/medium dam node are attributed an initial GSC and dead storage. These initial values are used for 2010. For each future planning stage (2020, 2040 and 2060), they are adjusted considering the silt accumulation. The silt is accumulated in both the dead storage and live storage and is distributed 60% in dead storage and 40% in live storage. The total volume of silt accumulated per year (in m^3) is calculated by multiplying the FCA of the dam (in km^2) and the silt accumulation rate relative to the basin where the dam is located (in $m^3/km^2/yr$).

The volume of water stored in the dead storage can be available for non-agricultural demand nodes if they have an allocation from this dam but it cannot be supplied to agricultural demand nodes. The volume of water in the dam increases in each month according to the monthly inflow of the dam, unless it is supplied or lost in spills. Monthly inflows are calculated for dependability levels 25%, 50%, 75% and 90% from series of inflows, simulated by the SWAT model and following the methodology presented in Final Report No. 4.3 (data presented in Appendix C-8, Table C-8.1). For some diversion structures (Harish Chandra Sagar, Parwan Lift, Parwan Pickup Weir and Parwati Pickup Weir the inflow was calculated differently in order to exclude the inflows from outside catchment (refer Final Report No. 4.7). Water from the dam can be supplied to its connected agricultural nodes if the volume of water in the dam is more than the dead storage and if the month is different from June-July-August-September (monsoon period). Water from the dam can be supplied to its non-agricultural nodes even if it comes from the dead storage but only if there is a specific committed volume from this dam to this node. When the dam is full and there is no demand, all additional inflow is lost in spills. The volume of evaporation from the dam is calculated at the end of each month considering block-wise monthly evaporation rates (given in Appendix C-10, Table C-10.1) and the volume-elevation Table of the dam (given in Appendix C-9). This volume is lost from the system. The filling priority parameter is used where a dam can feed another dam and determines the dam that has the preference for storing the water.

- Minor structures nodes are attributed the following parameters:
  - A total storage capacity of minor dams
  - A total water spread area of small water bodies
  - An assumed depth of small water bodies
  - A monthly evaporation rate

The minor structures node is an aggregation of all minor structures in a given block. Minor water structures are either dams or small water bodies such as ponds, anicuts etc. The product of the total water spread area of small water bodies and the assumed depth of small water bodies is used as an estimation of the total storage capacity of small water bodies. The sum of the total storage capacity of minor dams and the total storage capacity of small water bodies represents the total storage capacity of the minor

structures node. Inflows to each minor structures node were calculated proportionally to the total inflow and capacity of the major and medium dams in the district using the following formula:

Inflow to a minor structures node in a given block = (sum of inflows of the major and medium dams of the district)/ (sum of storage capacity of the major and medium dams in the district)*(total storage capacity of the minor structures node in the block)

(Equation C- 3.1)

In Equation C-3.1, the storage capacities refer to the storage capacities at the beginning of the simulation before silt accumulation has been accounted for.

In districts where there is no major/medium dams (Barmer, Bikaner, Churu, Ganganagar, Hanumangarh, Jaisalmer, Jhunjhunun and Nagaur), the inflow to minor structures was calculated based on the inflow of the major/medium dams of the Luni river basin (13 dams). For these districts, each resource node representing a minor structures group is associated two parameters:

1) an annual inflow, which is different for each node and depends on the total storage capacity of the node
2) a monthly distribution of the annual inflow , which is the same for each node

The annual inflow was calculated assuming a given percentage of filling of the dam, depending on the dependability level. This percentage represents the percentage of the total gross capacity of the dam that would be filled with water if there were no supply and no evaporation. It was assumed that it is the same as the global percentage of filling of dams in the Luni basin that was itself calculated from the annual inflows for each major/medium dam in the Luni basin for dependability level 25%, 50%, 75% and 90%. The global percentage of filling of dams in Luni basin obtained is 80.61%, 23.72%, 3.63% and 0.37% for dependability level 25%, 50%, 75% and 90% respectively. The monthly distribution was assumed to be the same as the monthly distribution of the total annual inflow in the major/medium dams of the Luni basin.

No dead storage is considered for the minor structures node. The storage capacity is defined directly as the live storage capacity.

Evaporation is calculated as for the major/medium dam node but with an equivalent volume-elevation Table, considering a total height of 6m and assuming that 1/3 of the total storage volume is reached at half of the height.

- Canal nodes are attributed a unique parameter:
  - An annual inflow

Canal nodes are used to represent import of water from neighbouring states. The canal node is attributed an annual inflow, different for each dependability level. This annual inflow was assumed to occur during the monsoon period. The inflow can be stored (with an unlimited storage capacity) or supplied. There is no evaporation, no spills, no silt accumulation and no dead storage. The water can be supplied to connected non-agricultural nodes if they have a specific allocation from the canal or to connected agricultural nodes.

- Diversion nodes are attributed a unique parameter:
  - A monthly inflow

The inflow is different for each dependability level. The supply rules are the same as for the canal node, except that the water cannot be stored.

- Intakes nodes are attributed a unique parameter:
  - A monthly inflow

The intake node only supplies the demand node to which it is connected. Its inflow is a fictive inflow corresponding to the demand of the demand node.

3.5.3 Supply System

The supply system is represented in WEAP with links between nodes. The connections between water resource nodes and demand nodes have been presented in Section 3.4.3 above.

A link is attributed the following parameters:

- Annual allocations for the demand nodes to which it is connected
- A supply priority
- A loss coefficient

Annual allocations determine the maximum volume of water allowed to be supplied for each of the destination nodes (see Appendix C-13, Tables C-13.1 to C-13.4).

The supply priority is a parameter used in cases where the destination node is supplied by different resource nodes and define which sources will be used first to supply the demand node. It was chosen in such a way that surface water is supplied before groundwater.

The loss coefficient is used for links whose destination is an agricultural demand node. If the agricultural demand node represents a surface water irrigated area, the loss coefficient represents both off-farm and on-farm irrigation losses (see Appendix C-11, Tables C-11.1 to C-11.3). If the agricultural demand node represents a groundwater irrigated area, the loss coefficient represents on-farm irrigation losses. The same value for on-farm irrigation losses in GW irrigated areas has been taken in all the districts. As regards the on-farm and off-farm irrigation losses in SW irrigated areas, they are different for each command area of major dam/medium dam/diversion/canal.

4. Data Input

The data entered as input in the WEAP tool for the simulations of the 33 districts of Rajasthan is available in Appendices.

The relevant Appendices for the summary of data are:

Appendix C-1(a) - WEAP – User Guide and Tutorial
Appendix C-1(b) - Nomenclature Used to Represent Nodes in the WEAP Tool
Appendix C-2 - Topology of the 33 Districts of Rajasthan in the WEAP Tool
Appendix C-3 - Major and Medium Surface Water Structures Main Features
Appendix C-4 - Non-Agricultural Demand – District-wise
Appendix C-5 - Agricultural Demand, Irrigable Areas and Annual Net Crop Water Requirements - District-wise
Appendix C-6 - Minors Structures Data
Appendix C-7 - Groundwater Recharge
Appendix C-8 - Inflows of Surface Water Major and Medium Structures for Four Dependability Levels
Appendix C-9 - Volume Elevation Tables of Major and Medium Projects
Appendix C-10 - Evaporation from Surface Water Structures

Appendix C-11 - Irrigation efficiency
Appendix C-12 - Imported Water to Rajasthan State
Appendix C-13 - Committed Water for Non-Agricultural Demand
Appendix C-14 - Detailed Results of District wise and Block wise Water Supply and Demand Balance
Appendix C-15 - Actual Irrigated Area Outside CCA
Appendix C-16 - Supportive Sample Water Balance of a Block

A map of Rajasthan representing the main features of the 33 districts is attached in the back of the report (Demand and Source Key Map). This map help to visualize the location of the following elements: districts, blocks, towns, industries, power plants, river basins, major/medium dams or diversion and their associated command area.

5. Results

This section presents the main results associated to the water system of the Rajasthan State obtained with the WEAP tool. Detailed results associated to the simulation of the 33 districts are available in Appendix C-14.

This section is divided into 33 sub-sections, corresponding to the 33 districts of the Rajasthan State. Each of these 33 sub-sections includes four parts:

-a general presentation of the district and its special features
-a discussion of the results obtained from the WEAP simulation
-a table summarizing the district-wise water balance
-a chart representing the present and future block-wise non-agricultural demand and supply for a dependability of 90%

The discussion of the results

The discussion of the results follows the same scheme in each district. It presents a synthetic conclusion as regards the shortages and excess in the district in general, followed by a more detailed description divided into the four following categories along with solutions to fill the gap between the demand and the supply (if any).

(1) Satisfaction of the non-agricultural demand

This category presents the present and future unmet demand of the domestic, livestock, industrial and power plant uses. Results associated to wildlife are only presented in the Bharatpur district, which is the only district with a significant wildlife demand (in each other district the total wildlife demand does not exceed one Mm^3/yr). It points out which blocks are fully satisfied for all dependability levels and planning stages and which blocks have shortages. Shortages that are very small relatively to the associated demand are not considered as real shortages but it is assumed that they are the consequence of the approximations of the modelling.

The values quoted in this category are based on the Appendix C-14, Tables C-14-i.1, C-14-i.2, C-14-i.3, C-14-i.4, where i is the number of the sub-section where the district is described, preceded by 0 if it is smaller than 10.

All the values of demand and supply in WEAP input and output and in all the appendices are calculated with consideration that there will be 30% of losses in urban water supply. In districts with shortages, the unmet demand considering that with proper management the losses can be reduced to 20% in 2020 and 10% in 2040 and 2060 is sometimes also presented, under this category. The relation between the unmet demand considering 30% of losses and considering 20% or 10% of losses is given by the Equation C-5.1:

Unmet demand considering 20% of losses (resp. 10%) = Gross demand considering 30% of losses * (1 – 30%) / (1 – [20% (resp. 10%)]) – Gross supply

(Equation C- 5.1)

(2) Supply coverage of the agricultural demand

This category presents the minimum and maximum district-wise supply coverage of the agricultural demand over all dependability levels and planning stages inside CCA on one hand and outside CCA on another hand. The supply coverage inside CCA (resp. outside CCA) is expressed as a percentage that represents the part of the total CCA (resp. the total potential irrigable area) of the district that can be fully exploited. The coverage outside CCA is the coverage considering full potential.

The values quoted in this category are based on the Appendix C-14, Table C-14-i.13, where i is the number of the sub-section where the district is described, preceded by 0 if it is smaller than 10.

Although in all the appendices the values associated to the coverage outside CCA were calculated considering the potential irrigable area outside CCA, the coverage outside CCA considering the actual irrigated area is also presented under this category. The relation between those two coverages is given by the Equation C-5.2:

% of coverage considering actual irrigated area = % of coverage considering potential area / (Actual irrigated area / Potential irrigable area)

(Equation C- 5.2)

The block-wise actual irrigated areas outside CCA used for the calculations are summarized in Appendix C-15.

(3) Excess of water

This category presents the relevant excess of water of the district (if any). It is generally considered that a district has an excess of water if there is a significant excess for a dependability level of 75% or 50% in one of the following types of excess:

- Water stored above the dead storage of major and medium dams
- Spills from major and medium dams not intercepted by a downstream dam
- Unutilised surface water at a major or medium diversion structure
- Unutilised water from a canal importing water from outside of the Rajasthan State
- Unutilised groundwater inside the command area of a major/medium dam, diversion structure or import canal
- Unutilised groundwater outside CCA

Therefore, although the water balance Tables presented in the following sections show the total excess of water associated to the major/medium and minors structures, in the discussion of the results only the excess in the major and medium structures is considered and pointed out. Also, although in the water balance Tables the excess includes the water in the dead storage of dams, in the discussion of the results only the excess above dead storage has been considered and pointed out, unless the dead storage represent an important quantity.

The values quoted in this category are based on the Appendix C-14, Tables C-14-i.7, C-14-i.8, C-14-i.9, C-14-i.10, C-14-i.11, C-14-i.12, where i is the number of the sub-section where the district is described, preceded by 0 if it is smaller than 10.

(4) Transfers of water between states, districts and blocks

This category presents the main non-agricultural transfers between the different districts and blocks of the Rajasthan State and all types of transfers between the Rajasthan State and other States.

Transfers inside of the Rajasthan States associated to irrigation are generally not described in the discussion as they are only due to the fact that the command area of a given dam spreads over different blocks/districts but they are available in detail in the Appendix C-14 (Tables C-14-i.15, with i from 01 to 33). Inter-States transfers are always presented whether they are associated to irrigation or to non-agricultural uses.

The values quoted in this category are based on the Appendix C-14, Table C-14-i.15, where i is the number of the sub-section where the district is described, preceded by 0 if it is smaller than 10.

The water balance

Each block-wise water balance is divided into fifteen columns, whose meaning is explained in the following paragraphs. The block-wise water balance of each district is presented in Appendix C-14, Table C-14-i.17, where i is the number of the sub-section where the district is described, preceded by 0 if it is smaller than 10. The detail of the calculation of the different columns is explained for the Ajmer district, in Appendix C-14, Tables C-14-01.16 and C-14-01.17. Also, an example of supportive calculation of a water balance in detailed in Appendix C-16.

(1) Source - Surface water: the sum of annual inflows of all major/medium dams, diversions and small structures (minor dams, tanks, ponds, WHS, simulated intakes etc.) that are located in the block. In case a dam is located at the border of several blocks, it was considered to be located as per the data that is summarized in Appendix C-3, Tables C-3.1 to C-3.3. If a dam located in a given block receives spills from an upstream dam or water from an upstream diversion structure, the associated volume is not accounted in the category "Source – Surface water" but in the category "Gross Transfers – Import" presented below (category number 15).

(2) Source – Groundwater: the total recharge of the groundwater in the block (both inside CCA and outside CCA).

(3) Demand – Non-agriculture: the sum of urban, rural, livestock, power plant, industrial and wildlife water demand in the block.

(4) Demand – Agriculture inside CCA: the sum of the net agricultural demand inside the different CCA falling in the block (both CCA of major, medium, minor dams, diversion structures and import canals) as the product of the total CCA in the block and the annual net crop water requirement of the block.

(5) Demand – Agriculture outside CCA: the potential net agricultural demand outside of the CCA of any surface water structure (i.e. only irrigated by groundwater) as the product of the irrigable area outside CCA considering full potential and the net crop water requirement of the block.

(6) Supply – Non-agriculture: the supply to urban, rural, livestock, power plant, industrial and wildlife water demand in the block, both from surface water and groundwater.

(7) Supply – Agriculture inside CCA: the net supply to agricultural water demand in the block and inside CCA, both from surface water and groundwater.

(8) Supply – Agriculture outside CCA: the net supply to agricultural water demand in the block and outside CCA, both from surface water and groundwater.

(9) Excess - Surface water: the water remaining (unutilized) in both major, medium, minor dams and other minor structures located in the block and at the end of the simulation, including the water stored in the dead storage of dams.

(10) Excess – Groundwater: the part of the total recharge of the groundwater in the block (both inside CCA and outside CCA) that was not utilized.

(11) Losses – Irrigation losses: the on-farm and the off-farm losses from groundwater or surface water structures located in the block. In case a dam is located at the border of several blocks, it was considered to be located as per the data that is summarized in Appendix C-3, Tables C-3.1 to C-3.3. Besides, on-farm and off-farm losses associated to a transfer between two different blocks are accounted in the block that imports water.

(12) Losses – Evaporation: the evaporation from the sources located in the block.

(13) Losses – Spills: the spills from the sources located in the block which are not intercepted by downstream dams; spills intercepted by downstream dams are accounted as export (category 14 below).

(14) Gross Transfers – Export: the gross supply of water from a source located in the block to a demand outside of the block and the spills from surface water sources to downstream dams. The supply from a dam in a given block to irrigation in its command area in another block is considered as an export.

(15) Gross Transfers – Import: the gross supply of water from outside of the block to a demand located in the block and the spills from upstream dams.

The balance reflects the principle of the conservation of the water, which means that the sources of water of the block (proper sources or import) are either supplied in the block, stored in the block, lost in the block, or exported. Thus, the balance is expressed by the equation C-5.1:

$$1) + 2) - 6) - 7) - 8) - 9) - 10) - 11) - 12) - 13) - 14) + 15) = 0$$

(Equation C-5.1)

The district-wise water balance is realised by summing the block-wise values for each part of the water balance, except for the export and import, which is realised by summing only the transfers between a district and another without taking into account the internal transfers.

5.1 Ajmer

In this section, the water balance results of the WEAP simulation of the Ajmer district are presented. The Ajmer district is located in the centre of Rajasthan, bordered by the Bhilwara, Jaipur, Nagaur, Pali, Rajsamand and Tonk districts (Figure C-5.1). It spreads over three river basins. In the North the Shekhawati River Basin, towards the West the Luni River Basin and towards the East the Banas River Basin.

The Ajmer district is one of the three districts that imports water from the Bisalpur dam, located in the Tonk district (the two other districts are Jaipur and Bhilwara). There is a committed volume of water that is utilised for supply in the following towns of Ajmer district: Ajmer, Beawar, Kekri, Kishangarh, Nasirabad, Pushkar, Sarwar and Vijainagar. The committed volume of water is 144 Mm^3/yr, which is the upper limit of

the capacity of supply system. This capacity is sufficient to meet the demand of these towns even in 2060 subject to availability of water in Bisalpur Dam.

Other special features are associated to the supply to Beawar town in Jawaja block: the Phool Sagar Jaliya dam is entirely reserved for water supply to this town and there is an allocation of 0.28 Mm^3/yr from Markerda Talab, which is a minor structure located in Masuda block.

Figure C-5.1 The Ajmer district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Ajmer district is that although there is no non-agricultural unmet demand at present (year 2010), shortages will appear in the Peesangan block, where the Ajmer town is located, for future planning stages. Other smaller shortages will also occur from planning stage 2040 in Jawaja and Kishangarh blocks. The maximum non-agricultural unmet demand of the district is 60 Mm^3/yr. Other main results are presented in the following paragraphs. Table C-5.1 shows the general water balance of Ajmer district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-01".

Supply coverage of the non-agricultural demand:

The non-agricultural demand is satisfied at present but not always in future planning stages (see Figure C-5.2).

The maximum non-agricultural unmet demand of the district is 60 Mm^3/yr (in 2060 for a dependability level of 90%).

Out of the 8 blocks of the Ajmer district, 5 blocks have no unmet demand for non-agricultural uses, for all planning stages and dependability levels.

The 3 blocks where shortages occur are Peesangan, Kishangarh and Jawaja.

The unmet demand in Kishangarh and Jawaja is moderate amounting to 8 Mm^3/yr and 5 Mm^3/yr respectively.

In Peesangan, the unmet demand is higher and reaches a maximum of almost 50 Mm^3/yr in 2060 for a dependability level of 90%. For this same dependability level, the unmet drinking water demand of the Ajmer City (which is located in this block) in 2020, 2040 and 2060 is 13 Mm^3/yr, 30 Mm^3/yr and 42 Mm^3/yr respectively. This is with consideration that there will be 30% losses in urban water supply. If it is considered that with proper management the losses can be reduced to 20% in 2020 and 10% in 2040 and 2060, the unmet drinking water demand of Ajmer City at 90% dependability will reduce to 6 Mm^3/yr, 16Mm^3/yr and 27 Mm^3/yr, in 2020, 2040 and 2060, respectively.

In conclusion, there is no surplus of water in Ajmer district that can be considered as a solution to fill the above gap. The present Bisalpur Water Supply Scheme is not enough to fill all gaps at 90% dependability in future.

It is proposed to transfer 300 Mm^3/yr water from Anas River in Mahi Basin to Berach River in Banas Basin to augment the Bisalpur Dam. The project also includes augmentation of Jaisamand Dam (Udaipur), Rajsamand Dam (Rajsamand) and Meja Dam (Bhilwara). The total estimated cost of the project is Rs. 3681.30 Crores.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 6% and 94%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 3% and 8% considering full potential cultivable area and between 27% and 70% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

There is no excess of surface water or groundwater for a dependability level of 75% or 50%.

Transfers of water between states, districts and blocks:

There is import of water for domestic use from the Bisalpur dam located in the Tonk district. The volume imported varies between 9 Mm^3/yr and 115 Mm^3/yr, depending on the dependability level and planning stage.

Between the different blocks of Ajmer district there is a small transfer of water from Masuda block to Jawaja block (<1 Mm^3/yr) due to the committed water supply from Markerda Talab to the Beawar town.

There is no export of water from Ajmer district to other districts.

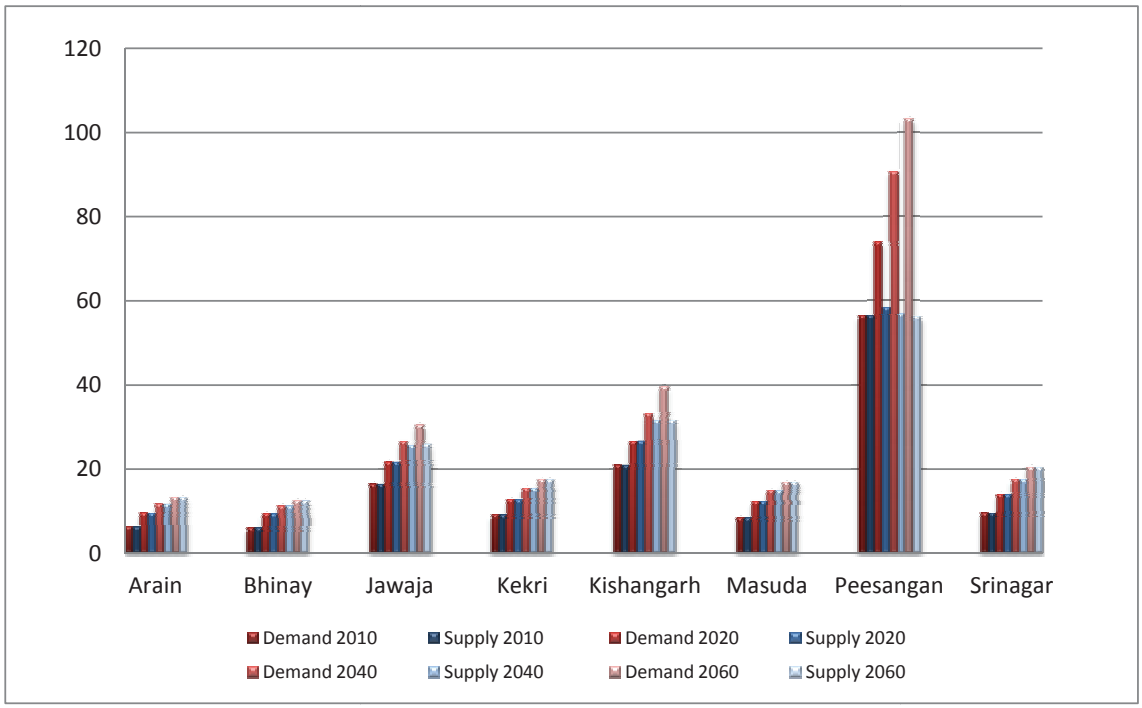
Table C-5.1 Ajmer District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Ajmer	2010	25%	864.23	302.51	133.69	205.81	1992.78	133.69	188.07	160.92	181.21	15.14	330.07	205.65	0.00	20.30	68.31	0.00
		50%	353.15	302.51	133.69	215.30	2084.66	133.69	126.49	157.63	0.00	0.00	230.92	73.99	0.00	1.70	68.75	0.00
		75%	111.87	302.51	133.69	233.27	2258.68	133.69	39.84	144.72	0.00	0.00	100.46	51.25	0.00	0.00	55.59	0.00
		90%	0.00	302.51	133.69	245.02	2372.47	133.61	18.72	107.45	0.00	0.00	54.07	0.00	0.00	0.00	11.35	0.00
	2020	25%	864.23	302.51	180.61	205.81	1992.78	180.61	193.05	149.01	244.99	15.89	219.65	225.69	0.00	20.50	82.64	0.00
		50%	353.15	302.51	180.61	215.30	2084.66	180.61	155.76	145.74	0.00	0.00	177.89	76.91	0.00	1.90	83.15	0.00
		75%	111.87	302.51	180.61	233.27	2258.68	180.61	44.63	116.28	0.00	0.00	67.54	54.58	0.00	0.00	49.26	0.00
		90%	0.00	302.51	180.61	245.02	2372.47	164.96	18.55	92.18	0.00	0.00	36.91	0.00	0.00	0.00	10.09	0.00
	2040	25%	864.23	302.51	221.73	205.81	1992.78	221.73	192.89	133.90	243.08	15.89	214.51	224.73	0.00	20.91	100.90	0.00
		50%	353.15	302.51	221.73	215.30	2084.66	221.73	154.48	130.27	0.00	0.00	171.64	76.68	0.00	2.30	101.45	0.00
		75%	111.87	302.51	221.73	233.27	2258.68	219.34	41.22	87.10	0.00	0.00	56.23	54.87	0.00	0.00	44.38	0.00
		90%	0.00	302.51	221.73	245.02	2372.47	185.19	15.25	79.53	0.00	0.00	31.59	0.00	0.00	0.00	9.05	0.00
	2060	25%	864.23	302.51	254.08	205.81	1992.78	254.08	192.75	121.97	241.21	15.89	210.46	223.70	0.00	21.31	114.64	0.00
		50%	353.15	302.51	254.08	215.30	2084.66	254.08	153.31	118.01	0.00	0.00	166.54	76.19	0.02	2.71	115.20	0.00
		75%	111.87	302.51	254.08	233.27	2258.68	233.51	38.95	78.39	0.00	0.00	52.25	54.64	0.00	0.00	43.38	0.00
		90%	0.00	302.51	254.08	245.02	2372.47	194.55	15.25	72.29	0.00	0.00	29.18	0.00	0.00	0.00	8.76	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: explained in Appendix C-14, Table C-14-01.16

Figure C-5.2 Ajmer District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-01.2

5.2 Alwar

In this section, the water balance results of the WEAP simulation of the Alwar district are presented. The Alwar district is located in the North-East of Rajasthan, bordered by the Jaipur, Dausa, and Bharatpur districts (Figure C-5.3). The Alwar district shares a border with the Haryana State. It spreads over four river basins. Most of the district lies in the Ruparail and Sabi River Basins, in the North of the district the Shekhawati River Basin and towards the South the Banganga River Basin.

A special feature of the Alwar district is that it is one of the district with the highest number of blocks (14 blocks) but it has no major dam and only one medium dam: the Jai Samand Bund (this dam is different from the Jaisamand dam, which is a major dam located in Udaipur district). Another point to underline is that there are no minor dams in the Behror block.

Figure C-5.3 The Alwar district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Alwar district is that although there is no non-agricultural unmet demand at present, small shortages appear in the Alwar town starting from planning stage 2040. The maximum non-agricultural unmet demand of the district is 19 Mm^3/yr. Other main results are presented in the following paragraphs. Table C-5.2 shows the general water balance of Alwar district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-02".

Satisfaction of the non-agricultural demand:

The non-agricultural demand is satisfied at present but not always in future planning stages (see Figure C-5.4).

The maximum non-agricultural unmet demand of the district is 19 Mm^3/yr (reached in 2060 for a dependability level of 90%).

Out of the 14 blocks of the Alwar district, 13 blocks have no unmet demand for non-agricultural uses for all planning stages and dependability levels.

The only block with shortages is the Umren block. According to the WEAP simulation, the shortages start for planning stage 2040 but they are small (< 4 Mm^3/yr). Shortages are more problematic for planning stage 2060 and reach an amount of about 19 Mm^3/yr, out of which 14 Mm^3/yr is associated to the domestic demand. Shortages also affect the livestock and industrial sectors. This is with consideration that there will be 30% losses in urban water supply. If it is considered that with proper management the losses can be reduced 20% in 2020 and 10% in 2040 and 2060, the above shortages will not be there.

Further, there is a proposed project (by WRD, Rajasthan) aimed at transferring of surplus water from Chambal River near village Basa in Dhaulpur district to the Jai

Samand Bund in Alwar district. The proposal envisages pumping of 107.20 Mm^3/yr of flood waters from Chambal River during the monsoon period in August and September, into the Jai Samand Bund and enroute dams. The pumped water would be conveyed to the Jai Samand Bund (21.16 Mm^3/yr) through a lift canal, which would also meet the enroute requirement of Dhaulpur, Bharatpur and Alwar districts. The estimated cost of project is Rs. 565.42 Crores. This project will further strengthen the water supply scenario of Alwar district.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 20% and 99%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 11% and 20% considering full potential cultivable area and between 15% and 27% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

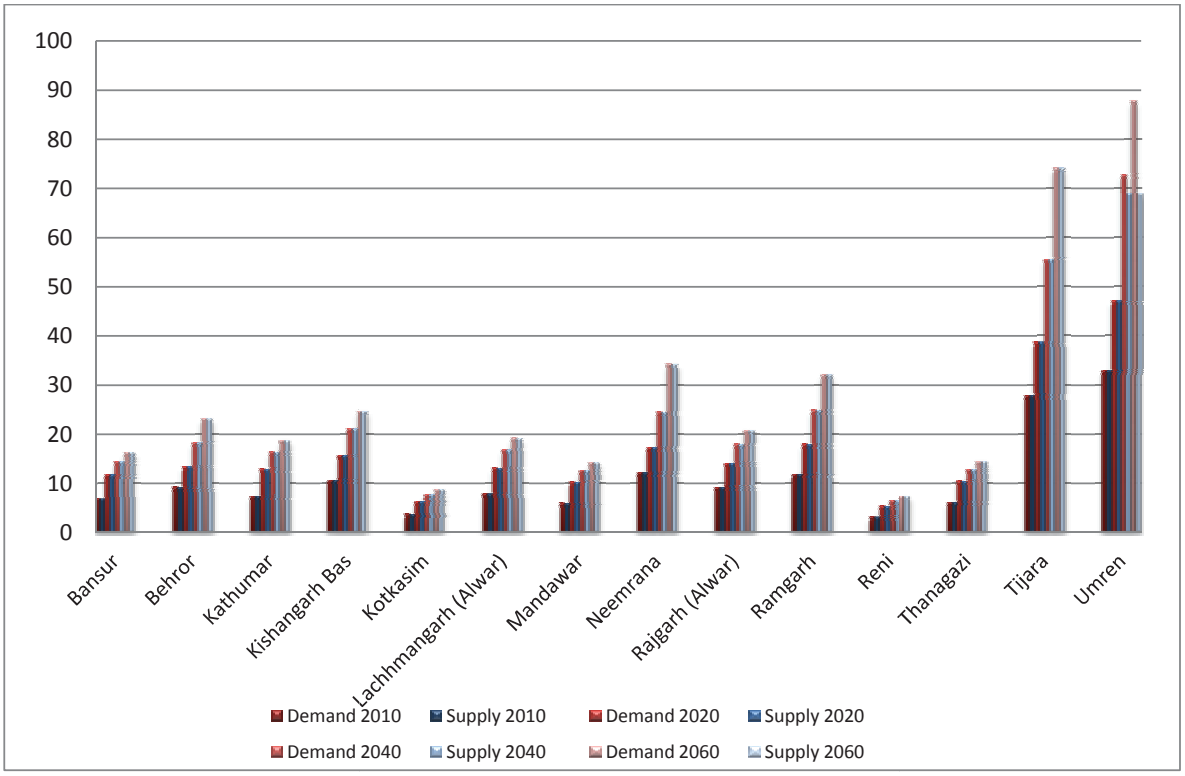
Excess of water:

There is no excess of surface water or groundwater for a dependability level of 75% or 50%.

Transfers of water between states, districts and blocks:

There is no export/import of water from/to the Alwar district to/from other districts and between the different blocks of the Alwar district for non-agricultural uses.

Figure C-5.4 Alwar District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-02.2

Table C-5.2 Alwar District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Alwar	2010	25%	315.15	667.55	155.14	99.08	1732.98	155.13	93.18	354.45	17.71	16.72	274.53	60.37	8.19	2.43	0.00	0.00
		50%	90.33	667.55	155.14	99.90	1747.32	155.13	41.17	350.66	0.96	0.00	185.78	24.17	0.00	0.00	0.00	0.00
		75%	23.08	667.55	155.14	101.57	1776.58	155.13	23.84	342.45	0.48	0.00	156.99	11.74	0.00	0.00	0.00	0.00
		90%	5.02	667.55	155.14	103.04	1802.26	155.13	23.84	337.93	0.00	0.00	155.05	0.61	0.00	0.00	0.00	0.00
	2020	25%	315.15	667.55	234.57	99.08	1732.98	234.56	97.96	323.13	37.02	21.34	191.69	66.66	7.71	2.63	0.00	0.00
		50%	90.33	667.55	234.57	99.90	1747.32	234.56	46.36	318.13	0.80	0.00	133.59	24.44	0.00	0.00	0.00	0.00
		75%	23.08	667.55	234.57	101.57	1776.58	234.56	25.55	307.74	0.48	0.00	111.10	11.20	0.00	0.00	0.00	0.00
		90%	5.02	667.55	234.57	103.04	1802.26	234.56	25.54	302.52	0.00	0.00	109.36	0.58	0.00	0.00	0.00	0.00
	2040	25%	315.15	667.55	322.55	99.08	1732.98	321.60	94.97	267.70	33.69	17.80	172.03	65.58	6.30	3.04	0.00	0.00
		50%	90.33	667.55	322.55	99.90	1747.32	321.05	38.84	261.96	0.57	0.00	111.11	24.35	0.00	0.00	0.00	0.00
		75%	23.08	667.55	322.55	101.57	1776.58	319.51	20.26	249.77	0.48	0.00	90.01	10.61	0.00	0.00	0.00	0.00
		90%	5.02	667.55	322.55	103.04	1802.26	318.74	20.26	244.72	0.00	0.00	88.33	0.52	0.00	0.00	0.00	0.00
	2060	25%	315.15	667.55	395.94	99.08	1732.98	380.46	94.86	228.04	30.34	17.55	158.60	64.49	4.91	3.45	0.00	0.00
		50%	90.33	667.55	395.94	99.90	1747.32	379.82	36.69	221.11	0.44	0.00	95.55	24.27	0.00	0.00	0.00	0.00
		75%	23.08	667.55	395.94	101.57	1776.58	378.00	20.35	206.60	0.40	0.00	75.71	9.58	0.00	0.00	0.00	0.00
		90%	5.02	667.55	395.94	103.04	1802.26	377.04	20.26	201.01	0.00	0.00	73.76	0.50	0.00	0.00	0.00	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.3 Banswara

In this section, the water balance results of the WEAP simulation of the Banswara district are presented. The Banswara district is located in the South of Rajasthan, bordered by the Dungarpur, Pratapgarh and Udaipur districts, the Banswara district shares a border with the Madhya Pradesh State and the Gujarat State (Figure C-5.5). The Banswara district is entirely in the Mahi River Basin.

The special feature of the Banswara district is its Mahi Bajaj Sagar dam and the export of part of its water to Gujarat State. The Mahi Bajaj Sagar dam is located in Mahi basin and at the border of four blocks: Banswara, Chhoti Sarwan, Ghatol blocks of Banswara district and the Peepalkhoont block of Pratapgarh district (in the WEAP water balance, it is considered that it is located in Chhoti Sarwan block). The Mahi Bajaj Sagar dam is one of the biggest dams of the Rajasthan State. It has a gross storage capacity of 2181 Mm^3, a CCA of about 80000 Ha and an annual inflow that reaches 4009 Mm^3 for a dependability level of 25%. The CCA of the Surwania dam has been merged with CCA of Mahi Bajaj Sagar project. Inside the Banswara district, the water from Mahi Bajaj Sagar dam is utilised both for agricultural and non-agricultural uses. It is utilised for irrigation in Anandpuri, Bagidora, Banswara, Garhi and Ghatol blocks (the Garhi block is almost entirely covered by the CCA of the Mahi Bajaj Sagar dam). As regards non-agricultural uses, water from Mahi Bajaj Sagar dam is utilised for domestic supply to Banswara town, for supply to the industry in Banswara block and for supply to power plants in Chhoti Sarwan and Ghatol blocks ("Banswara TPP Unit 1&2, Banswara TPS (IPP)", "RMC-I, Mahi" and "RMC-II, Mahi"). Outside of the Banswara district, the water from the Mahi Bajaj Sagar dam is utilised in the Aspur block of Dungarpur district for irrigation and in the Gujarat State where the water is exported according to an agreement specifying the shares from the Mahi Bajaj Sagar dam for the two States. In this agreement, it is established that the Gujarat and the Rajasthan shares from the Mahi Bajaj Sagar dam are 71.43% and 28.57% respectively.

Figure C-5.5 The Banswara district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Banswara district is that for all planning stages and dependability levels, there is no unmet demand for non-agricultural uses, except for the power plant in the Chhoti Sarvan block for a dependability level of 90% in 2060 and there are significant surplus of water. There are between 440 Mm^3/yr and 725 Mm^3/yr of spills from the Mahi Bajaj Sagar dam for a dependability level of 50% and depending on the planning stage (but there are no spills for a dependability level of 75%). In addition, up to 2040, there is a surplus of water in this dam for all dependability levels, which varies between 25 Mm^3/yr and 95 Mm^3/yr (considering only the Rajasthan share). Other main results are presented in the following paragraphs. Table C-5.3 shows the general water balance of Banswara district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-03".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand in any block for domestic, livestock and industrial uses (see Figure C-5.6). However, there is an unmet demand of 20 Mm^3/yr for the power plant in the Chhoti Sarvan block for a dependability level of 90% in 2060, which represent 8% of its demand.

As a conclusion, either one of the proposed power project in Chhoti Sarwan block should be dropped or since the Mahi area in Gujarat is now getting water from Narmada, the inter-State agreement should be reviewed for additional utilization of water from Mahi Bajaj Sagar in Rajasthan.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 24% and 100%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 6% and 11% considering full potential cultivable area and between 52% and 95% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

There are between 440 Mm^3/yr and 725 Mm^3/yr of spills from Mahi Bajaj Sagar for a dependability level of 50% and depending on the planning stage but there are no spills for a dependability level of 75%. From the Surwania dam, there are no spills for a dependability level of 75% but there are 12 Mm^3/yr of spills for a dependability level of 50%.

There is an excess of water in the Mahi Bajaj Sagar dam, in its dead storage. For present and for planning stages 2020 and 2040, the excess is almost the same for a dependability level of 75% as for dependability level of 50% and is approximately 95 Mm^3/yr, 65 Mm^3/yr and 50 Mm^3/yr respectively. In 2060, there is no excess for a dependability level of 75% but there is still an excess of 20 Mm^3/yr for a dependability level of 75%. All the excess mentioned here are considering only the Rajasthan share (28.57% of the total excess).

There is almost no unutilised groundwater inside CCA for a dependability level of 75% (only about 4 Mm^3/yr distributed in the CCA of minor dams). For a dependability level of 50%, there is a district-wise total unutilised groundwater inside CCA of 4 Mm^3/yr, 64 Mm^3/yr, 37 Mm^3/yr and 8 Mm^3/yr in 2010, 2020, 2040 and 2060 respectively, mainly is located in the CCA of Mahi Bajaj Sagar, in the Garhi and Ghatol blocks.

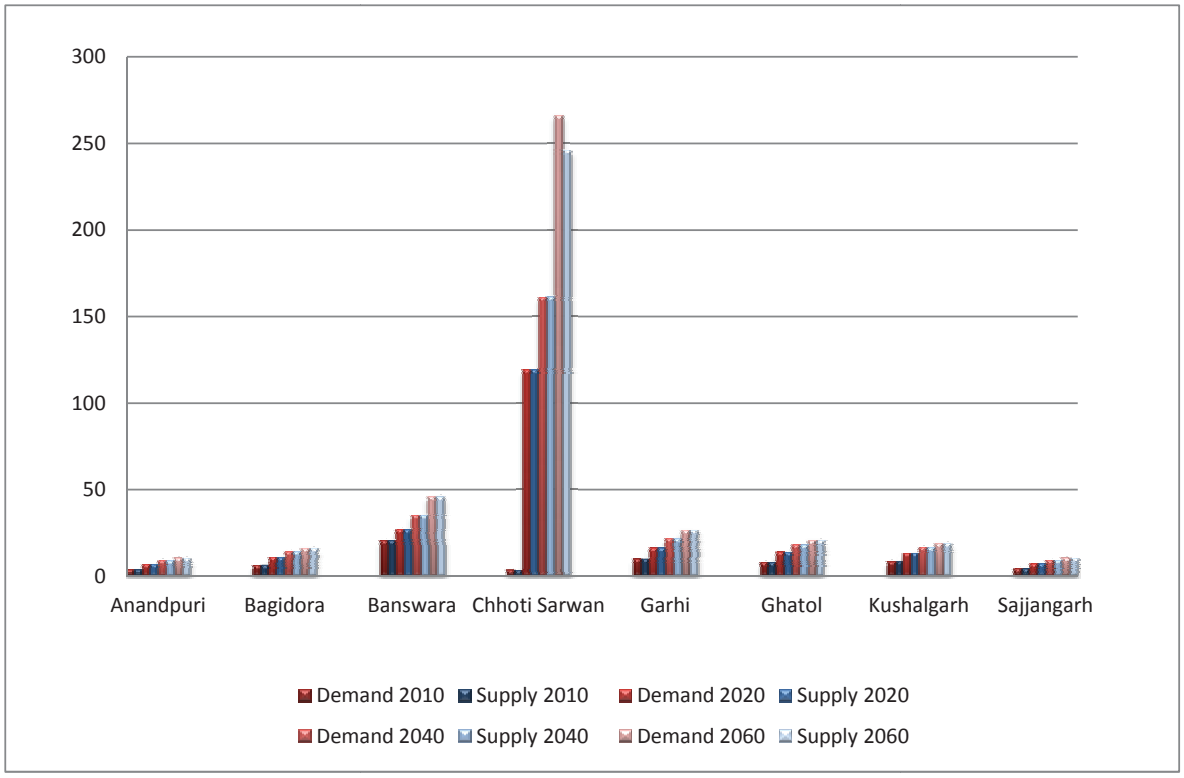
There is no unutilised groundwater outside CCA.

Transfers of water between states, districts and blocks:

There is a very big export of water from the Banswara district to the Gujarat state. The total gross quantity exported from Mahi Bajaj Sagar dam varies between 360 Mm^3/yr and 1730 Mm^3/yr, depending on the planning stage and dependability level and always represents 71.43% of the total water supplied by Mahi Bajaj Sagar in both Rajasthan and Gujarat (which is the Gujarat share from this dam).

There is no import to the Banswara district.

Figure C-5.6 Banswara District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-03.2

Table C-5.3 Banswara District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Banswara	2010	25%	4518.45	244.41	64.79	342.01	490.42	64.79	325.29	52.65	388.12	4.89	492.59	189.24	1914.36	1330.92	0.00	0.00
		50%	3377.41	244.41	64.79	342.78	491.54	64.79	324.22	52.61	386.57	4.44	490.00	178.14	798.60	1322.45	0.00	0.00
		75%	2201.13	244.41	64.79	344.83	494.47	64.79	288.98	52.50	358.40	2.10	422.98	149.21	0.01	1106.57	0.00	0.00
		90%	1006.51	244.41	64.79	345.80	495.86	64.79	159.98	51.80	330.35	0.29	183.79	98.10	0.08	361.74	0.00	0.00
	2020	25%	4518.45	244.41	214.77	342.01	490.42	214.77	341.62	47.28	305.57	68.21	324.82	190.60	1755.93	1514.05	0.00	0.00
		50%	3377.41	244.41	214.77	342.78	491.54	214.77	342.16	47.26	301.18	64.44	323.51	179.51	644.87	1504.12	0.00	0.00
		75%	2201.13	244.41	214.77	344.83	494.47	214.77	317.62	46.81	262.30	4.41	270.68	139.30	0.01	1189.64	0.00	0.00
		90%	1006.51	244.41	214.77	345.80	495.86	214.77	147.74	45.64	164.63	0.29	104.13	82.24	0.08	491.40	0.00	0.00
	2040	25%	4518.45	244.41	285.20	342.01	490.42	285.20	340.37	41.06	252.05	41.07	316.61	170.17	1739.85	1576.48	0.00	0.00
		50%	3377.41	244.41	285.20	342.78	491.54	285.20	340.68	40.77	247.92	37.67	315.18	161.54	624.85	1568.01	0.00	0.00
		75%	2201.13	244.41	285.20	344.83	494.47	285.20	292.63	40.58	197.14	4.36	252.41	136.21	0.01	1237.00	0.00	0.00
		90%	1006.51	244.41	285.20	345.80	495.86	285.20	125.35	37.01	86.63	0.29	87.56	82.95	0.01	545.91	0.00	0.00
	2060	25%	4518.45	244.41	414.94	342.01	490.42	414.93	330.43	37.20	141.08	10.96	298.35	192.62	1599.93	1737.35	0.00	0.00
		50%	3377.41	244.41	414.94	342.78	491.54	414.93	327.36	37.08	136.86	8.41	294.16	179.21	508.58	1715.22	0.00	0.00
		75%	2201.13	244.41	414.94	344.83	494.47	414.93	251.54	36.86	34.77	4.24	218.24	129.79	0.09	1355.07	0.00	0.00
		90%	1006.51	244.41	414.94	345.80	495.86	394.63	84.64	31.86	3.67	0.29	53.31	68.93	0.00	613.59	0.00	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.4 Baran

In this section, the water balance results of the WEAP simulation of the Baran district are presented. The Baran district is located in the South-East of Rajasthan, bordered by the Kota and Jhalawar districts, the Baran district shares a border with the Madhya Pradesh State (Figure C-5.7). The Baran district is entirely in the Chambal River Basin.

The principal special feature of the Baran district is its diversion structures. Out of the 6 major/medium diversions structures of the Rajasthan States, 3 are located in the Baran district: Parwan Lift, Parwan Pickup Weir and Parwati Pickup Weir. The first one is located in the Baran block and the other two are located in Atru block. Their annual inflow (not including the inflow from outside catchment) for a dependability level of 25% of 1399 Mm^3/yr, 1129 Mm^3/yr and 705 Mm^3/yr respectively, make them being one of the more important resource of surface water of the Rajasthan State.

Other main special features of the Baran district are summarised in the following paragraphs

- There are 3 power plants: "Antah GPS", "Kawai TPS" and "Chhabra TPP Stage-I Phase-I (Unit 1&2),(Unit 3&4),Stage-II (Unit 5&6), (Unit 7&8), Chabra TPS Gas Based Power Project"; The power plant Kawai TPS is a planned power plant (it does not exist yet), located in Antah, Atru and Chhabra blocks respectively
- The Kota Barrage (located in the Kota district) imports water to the Antah block for irrigation in its command area and for supply to the Antah GPS
- There is an intake on the Parbati river that is one of the supply source of the Chhabra power plant
- There are two on-going minor dams: Ahamadi Irrig. Project and Kheriya Irrig. Project, located in the Kishanganj and Shahbad blocks respectively. They have a live storage capacity of 3.48 Mm^3 and 0.67 Mm^3 and a CCA of 635 ha and 172 ha respectively

Figure C-5.7 The Baran district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Baran district is that there is no non-agricultural unmet demand except for Kawai and Chhabra power plants in future planning stages, and there are important surplus of water. The surplus is mainly located at the diversion structures of the district - Parwan Lift and Parwati Pickup Weir. The unutilised water from those structures represents an amount of about 1380 Mm^3/yr, 890 Mm^3/yr and 470 Mm^3/yr for a dependability level of 50%, 75% and 90% respectively. Other main results are presented in the following paragraphs. Table C-5.4 shows the general water balance of Baran district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-04".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for domestic, livestock and industrial uses in any block (see Figure C-5.8). There is an unmet demand for the Kawai and Chhabra power plants in future planning stages but there is a proposed dam that can fulfil their demand, as explained below.

As regards the Kawai TPS in the Atru block, it is a planned power plant that should be supplied in the future by a proposed major dam, the Parwan Major Irrigation Project. The proposed dams are not included in the WEAP simulations (although the on-going dams are included) and this explains why the results show no supply for this power plant.

As regards the Chhabra power plant (located in the block of the same name), its present demand is fully satisfied and shortages only appear for future planning stages. In future planning stages, the increase of the demand should also be satisfied by the Parwan Major Irrigation Project mentioned above.

Therefore, if the Parwan Major Irrigation Project is considered there is no non-agricultural unmet demand in the district for all planning stages and dependability levels. The estimated cost of Parwan Major Irrigation Project is Rs. 2271.10 Crores.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 60% and 92%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 20% and 23% considering full potential cultivable area and between 26% and 29% considering the maximum area irrigated during past few years (2000-2010), depending on the planning stage and dependability level.

Excess of water:

There are big excess of water (especially surface water) in the Baran district.

There is a big quantity of unutilised surface water for all dependability levels and planning stages at the diversion structures of the district: Parwan Lift (in the Baran block) and Parwati Pickup Weir (in the Atru block). The Parwan Pickup Weir has also unutilised water but it is located upstream of the Parwan Lift. For a dependability level of 90%, the volume of water unutilised associated to them is 316 Mm^3/yr and 150 Mm^3/yr respectively.

There are also spills at the Ummed Sagar, Bethali, Bilas and Gopalpura dams for a dependability level of 75% and 50% (but not at the Lhasi dam). The total amount of spills in the district for a dependability level of 50%, 75% and 90% is approximately 1950 Mm^3/yr, 1090 Mm^3/yr and 500 Mm^3/yr respectively.

There is also a small excess of surface water of 7 Mm^3/yr above the dead storage of the Gopalpura dam for a dependability level of 50%.

There is some unutilised groundwater inside CCA for all dependability levels, mainly located in the command area of the following dams/diversions:

Gopalpura (3-9 Mm^3/yr)

Parwati Pickup Weir (1-10 Mm^3/yr)

Ummed Sagar (2-5 Mm^3/yr)

Minors structures (14 Mm^3/yr, distributed in the different blocks)

Kota barrage (about 30 Mm^3/yr but only for a dependability level of 50% and not for a dependability of 75%)

There is no unutilised groundwater outside CCA.

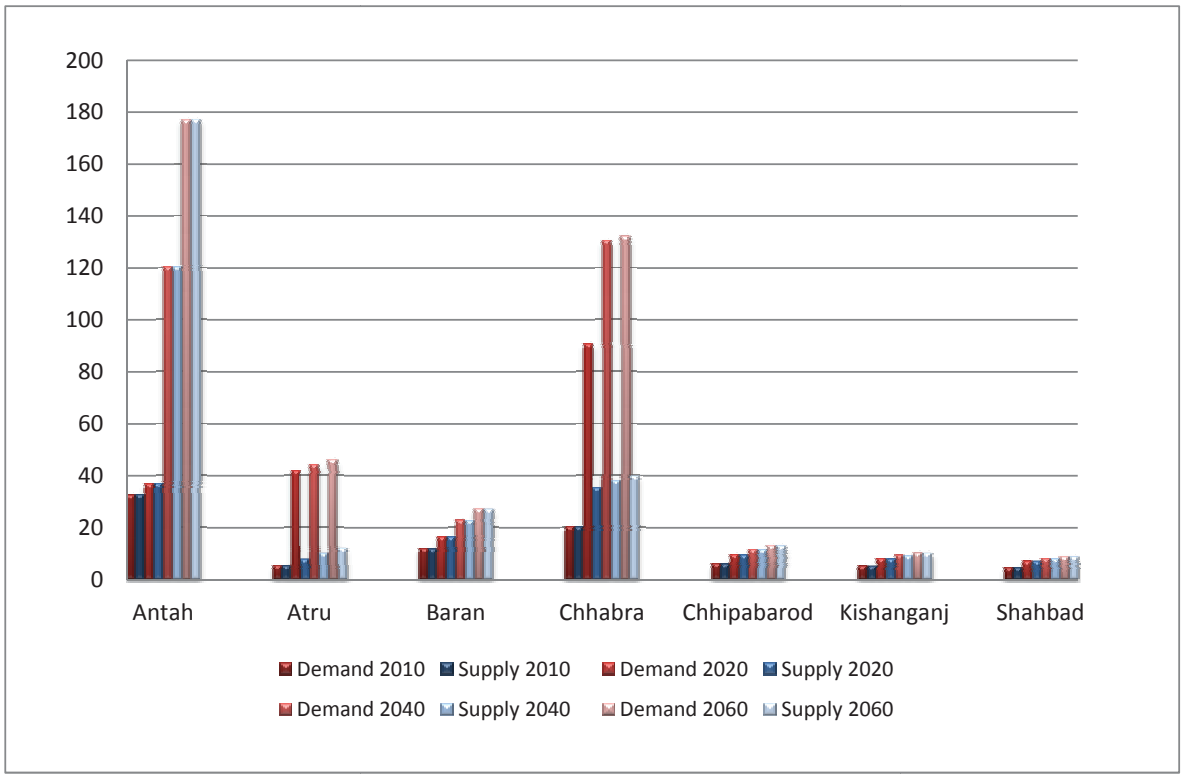
Transfers of water between states, districts and blocks:

Although there are big surplus of surface water in the Baran district, there is currently no export of water to other districts for non-agricultural uses.

There is an import of water of 23-157 Mm^3/yr (depending on the planning stage) from the Kota barrage (located in the Kota district) for power plant use in the Antah block.

Between the different blocks of the Baran district, there is no transfer of water for non-agricultural uses.

Figure C-5.8 Baran District: Block-Wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-04.2

Table C-5.4 Baran District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Baran	2010	25%	3321.51	458.96	86.77	332.15	897.19	86.77	295.01	203.96	88.59	67.44	537.68	97.40	3048.24	7.45	652.08	0.00
		50%	2318.77	458.96	86.77	334.30	903.00	86.77	288.50	203.96	80.89	32.18	486.89	93.77	1944.09	6.89	446.20	0.00
		75%	1499.37	458.96	86.77	338.40	914.08	86.77	235.78	203.96	65.98	23.17	372.39	86.65	1085.11	5.80	207.27	0.00
		90%	893.53	458.96	86.77	340.55	919.89	86.77	202.65	203.77	29.40	17.49	302.97	72.39	496.24	4.56	63.75	0.00
	2020	25%	3341.50	458.96	211.38	334.76	894.57	122.52	308.43	205.08	117.65	73.83	326.22	106.30	3063.95	4.49	528.00	0.00
		50%	2324.95	458.96	211.38	336.93	900.37	122.52	298.52	205.08	108.83	67.42	315.34	102.13	1954.57	3.82	394.31	0.00
		75%	1504.17	458.96	211.38	341.06	911.41	122.52	261.20	205.01	94.28	31.16	262.65	94.16	1087.13	3.47	198.45	0.00
		90%	895.06	458.96	211.38	343.23	917.21	121.89	218.40	204.92	55.35	22.51	218.50	72.95	500.06	2.92	63.49	0.00
	2040	25%	3339.32	458.96	347.70	334.76	894.57	221.46	308.37	195.10	114.81	69.61	322.62	104.86	3065.59	4.49	608.62	0.00
		50%	2323.23	458.96	347.70	336.93	900.37	221.46	298.73	194.92	107.19	62.92	311.83	99.85	1956.44	3.82	474.99	0.00
		75%	1502.45	458.96	347.70	341.06	911.41	221.46	253.87	194.92	92.99	30.24	253.51	91.78	1088.64	3.47	269.47	0.00
		90%	895.06	458.96	347.70	343.23	917.21	221.39	211.12	194.92	53.27	21.48	209.40	70.82	502.50	2.92	133.81	0.00
	2060	25%	3336.42	458.96	415.31	334.76	894.57	289.07	308.16	188.04	113.10	66.40	319.77	103.14	3067.74	4.49	664.54	0.00
		50%	2320.88	458.96	415.31	336.93	900.37	289.07	298.68	188.04	105.66	57.81	308.30	98.64	1958.33	3.82	528.51	0.00
		75%	1500.10	458.96	415.31	341.06	911.41	289.07	248.12	188.04	91.62	29.31	246.39	90.47	1090.17	3.47	317.59	0.00
		90%	895.06	458.96	415.31	343.23	917.21	288.99	205.94	188.04	51.17	20.28	202.73	70.21	504.75	2.92	181.02	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.5 Barmer

In this section, the water balance results of the WEAP simulation of the Barmer district are presented. The Barmer district is located in the West of Rajasthan, bordered by the Jaisalmer, Jodhpur, Pali and Jalore districts (Figure C-5.3). The Barmer district shares a border with Pakistan. The Barmer district is mostly in the Luni River Basin, except for its North-West corner, which is outside any river basin in the arid region of the state defined as the "Outside Basin"

The main special features of the Barmer district are presented in the following paragraphs.

The Barmer district is one of the districts that have no major/medium dams and imports water from outside of the Rajasthan State. It imports water mainly for irrigation in the Sheo block and for supply to power plants in Barmer and Sheo blocks. The Barmer district will also import water from the ongoing Narmada canal project for irrigation in the Chohtan and Dhorimanna blocks in future planning stages and for drinking water to 639 villages of Barmer district.

There are two power plant, " Jalipa Kapurdi Lignite" and " Giral Lignite TPS Unit 1&2, Unit 3&4, Unit 5 to 8", located in Barmer and Sheo blocks respectively and supplied by the IGNPII canal.

There is no specific wildlife demand at all in all the blocks except a very small demand in the Balotra and Siwana blocks (< 0.05 Mm^3/yr).

Figure C-5.9 The Barmer district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Barmer district is that there is currently a non-agricultural unmet demand in the majority of the blocks. This unmet demand reaches a maximum of about

104 Mm^3/yr for a dependability level of 90% in 2060. Other main results are presented in the following paragraphs. Table C-5.5 shows the general water balance of Barmer district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-05".

Satisfaction of the non-agricultural demand:

Out of the 8 blocks, only 3 blocks have no unmet demand for all dependability levels and planning stages and the 5 other blocks have an unmet demand, including for domestic use (see Figure C-5.10).

The Chohtan, Dhorimanna and Siwana blocks have no unmet demand for non-agricultural uses for any dependability level and planning stage.

The Balotra, Barmer, Baytoo, Sheo and Sindhari blocks have a total non-agricultural unmet demand of 8 Mm^3/yr, 28 Mm^3/yr, 66 Mm^3/yr and 104 Mm^3/yr for a dependability level of 90% and for the year 2010, 2020, 2040 and 2060 respectively. For these blocks and this dependability level, the total unmet demand for domestic use is 1 Mm^3/yr, 16 Mm^3/yr, 40 Mm^3/yr and 64 Mm^3/yr in 2010, 2020, 2040 and 2060 respectively. There are two ongoing projects: 1) Barmer Lift Canal Water Supply Project Phase-I for providing drinking water supply to Barmer city, 412 villages of Barmer and 161 villages of Jaisalmer district from Indira Gandhi Main Canal; estimated cost Rs. 688.66 Crores, and 2) Pokran Phalsoond Balotra Lift Water Supply Project for providing drinking water to Pokran (in Jaisalmer district), Balotra and Siwana towns and 580 villages of Barmer and Jaisalmer districts from Indira Gandhi Main Canal; estimated cost Rs.1444.20 Crores. In addition, there is one proposed project- Barmer Lift Project Phase-II to provide drinking water to 691 villages of Barmer district with an estimated cost of Rs. 797.75 Crores.

The above shortage will be fulfilled after completion of these schemes (before 2020).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 3% and 88% at present and between 36% and 99% for future, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA is <3% considering full potential cultivable area and between 5% and 30% considering the maximum area irrigated during past few years (1999-2010), depending on the planning stage and dependability level. The increase of the coverage inside CCA is due to the development of the irrigable area under the command of the Narmada Canal.

Excess of water:

There is no significant excess of surface water or groundwater for a dependability level of 75% or 50%.

Transfers of water between states, districts and blocks:

There is a total net imported water from the canals of 20 Mm^3/yr at present and a volume varying between 210 Mm^3/yr and 544 Mm^3/yr in future planning stages, out of which 85 Mm^3/yr to 250 Mm^3/yr are supplied for the two power plants.

There is no export of water from the Barmer district to other districts and no transfers between the different blocks of the Barmer district.

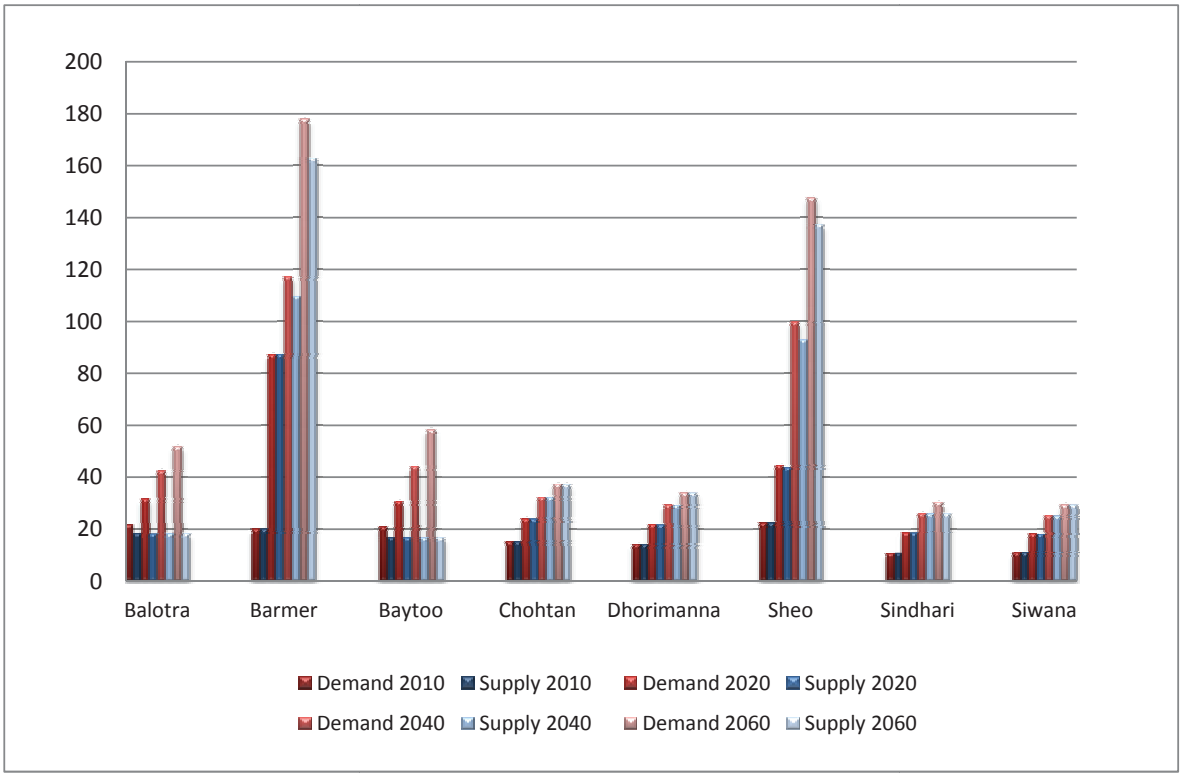
Table C-5.5 Barmer District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Barmer	2010	25%	134.36	239.74	135.99	14.32	3880.03	133.59	12.54	105.83	43.16	0.66	62.63	35.34	0.00	0.00	19.65	0.00
		50%	63.10	239.74	135.99	14.63	3964.55	131.73	8.09	104.47	3.63	0.40	55.73	18.42	0.00	0.00	19.65	0.00
		75%	13.91	239.74	135.99	15.16	4109.67	128.97	0.50	96.20	0.00	0.00	41.45	6.17	0.00	0.00	19.65	0.00
		90%	5.51	239.74	135.99	15.46	4189.41	128.33	0.50	94.42	0.00	0.00	40.68	0.97	0.00	0.00	19.65	0.00
	2020	25%	134.36	239.74	276.54	302.82	3733.63	254.77	301.12	66.49	46.28	17.20	217.92	36.54	0.00	0.00	566.22	0.00
		50%	63.10	239.74	276.54	314.16	3814.97	252.82	223.18	64.95	4.39	0.40	159.57	18.39	0.00	0.00	420.87	0.00
		75%	13.91	239.74	276.54	329.98	3954.61	249.43	169.34	56.13	0.00	0.00	117.32	5.97	0.00	0.00	344.54	0.00
		90%	5.51	239.74	276.54	340.46	4031.34	248.40	129.01	54.41	0.00	0.00	93.38	0.89	0.00	0.00	280.84	0.00
	2040	25%	134.36	239.74	416.18	302.82	3733.63	362.18	297.96	39.90	44.77	17.19	206.00	36.31	0.00	0.00	630.20	0.00
		50%	63.10	239.74	416.18	314.16	3814.97	359.44	219.75	38.61	4.14	0.40	147.51	18.07	0.00	0.00	485.09	0.00
		75%	13.91	239.74	416.18	329.98	3954.61	351.76	166.67	31.97	0.00	0.00	106.67	5.70	0.00	0.00	409.11	0.00
		90%	5.51	239.74	416.18	340.46	4031.34	350.32	126.45	30.48	0.00	0.00	82.91	0.75	0.00	0.00	345.64	0.00
	2060	25%	134.36	239.74	566.38	302.82	3733.63	475.73	294.94	29.55	43.50	17.13	199.59	35.72	0.00	0.00	722.06	0.00
		50%	63.10	239.74	566.38	314.16	3814.97	472.62	216.44	28.03	3.88	0.40	140.79	17.84	0.00	0.00	577.17	0.00
		75%	13.91	239.74	566.38	329.98	3954.61	463.60	164.02	21.61	0.00	0.00	100.63	5.35	0.00	0.00	501.56	0.00
		90%	5.51	239.74	566.38	340.46	4031.34	461.99	123.91	20.07	0.00	0.00	76.98	0.61	0.00	0.00	438.31	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.10 Barmer District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-05.2

5.6 Bharatpur

In this section, the water balance results of the WEAP simulation of the Bharatpur district are presented. The Bharatpur district is located in the West of Rajasthan, bordered by the Alwar, Dausa, Karauli and Dhaulpur districts (Figure C-5.11). The Bharatpur district shares a border with the Haryana and Uttar Pradesh States. The Bharatpur district lies across three river basins, the Ruparail River Basin in the North, the Banganga River Basin in the centre and the Gambhir Basin in the South.

The Bharatpur district is the only district of the Rajasthan State with a significant wildlife demand. This demand is associated to the Keoladeo National Park, located in the Sewar block. There is a committed volume of water of about 14 Mm^3/yr from the Ajan Lower medium dam located in the same block.

The Bharatpur district is also the only district of the Rajasthan State that imports water from outside of the Rajasthan State via the Bharatpur and the Gurgaon canals.

Another special feature is that there is a diversion structure, Sikri Bund, in the Pahari block.

Figure C-5.11 The Bharatpur district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Bharatpur district is that there is no non-agricultural unmet demand, except for wildlife in the Keoladeo National Park. Other main results are presented in the following paragraphs. Table C-5.6 shows the general water balance of Bharatpur district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-06".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for domestic, livestock and industrial uses in any block (see Figure C-5.12).

The only non-agricultural unmet demand is the wildlife in the Sewar block, where the Keoladeo National Park is located. This demand is satisfied for dependability level 25% in all planning stages but for dependability level of 50%, 75% and 90% there is an unmet demand of 1.5, 9 Mm^3/yr and 14-16 Mm^3/yr respectively. There is an ongoing project to supply water to Keoladeo National Park from Goverdhan Drain which will fill this gap. The estimated cost of the project is Rs. 56.04 Crores.

Also, there is an ongoing project - Chambal Dhaulpur Bharatpur Water Supply Project - to supply water to 945 villages in Bharatpur district and 96 villages in Dhaulpur district apart from urban towns of Dhaulpur (partial), Bharatpur, Kumher, Deeg, Nagar and Kaman. The estimated cost of the project is Rs. 477.99 Crores. This project will further strengthen the water supply scenario in Bharatpur district.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 20% and 58%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 14% and

22% considering full potential cultivable area and between 17% and 25% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

There is unutilised surface water for all dependability levels at the Sikri Bund diversion structure, located in the Pahari block. The volume unutilised is 14 Mm^3/yr, 37 Mm^3/yr, 119 Mm^3/yr and 273 Mm^3/yr for a dependability level of 90%, 75%, 50% and 25% respectively.

There are no spills from the medium dams for a dependability level of 75% or 50%.

No excess water is stored above the dead storage in the medium dams of Bharatpur district (Ajan Lower and Baretha) for a dependability level of 75% or 50%.

There is no unutilised groundwater inside CCA for a dependability level of 75%, although there is a volume of 10-25 Mm^3/yr unutilised for a dependability level of 50%. This volume is distributed in different blocks.

There is no unutilised groundwater outside CCA.

Transfers of water between states, districts and blocks:

There is a total net import of water varying between 10 Mm^3/yr and 30 Mm^3/yr from the Bharatpur and Gurgaon canals for irrigation in Kumher, Sewar, Deeg and Kaman blocks.

There is no export/import of water from/to the Bharatpur district to other districts in the Rajasthan State.

Inside of the Bharatpur district, there is an export from the Baretha dam in Bayana block to the Sewar block for domestic use.

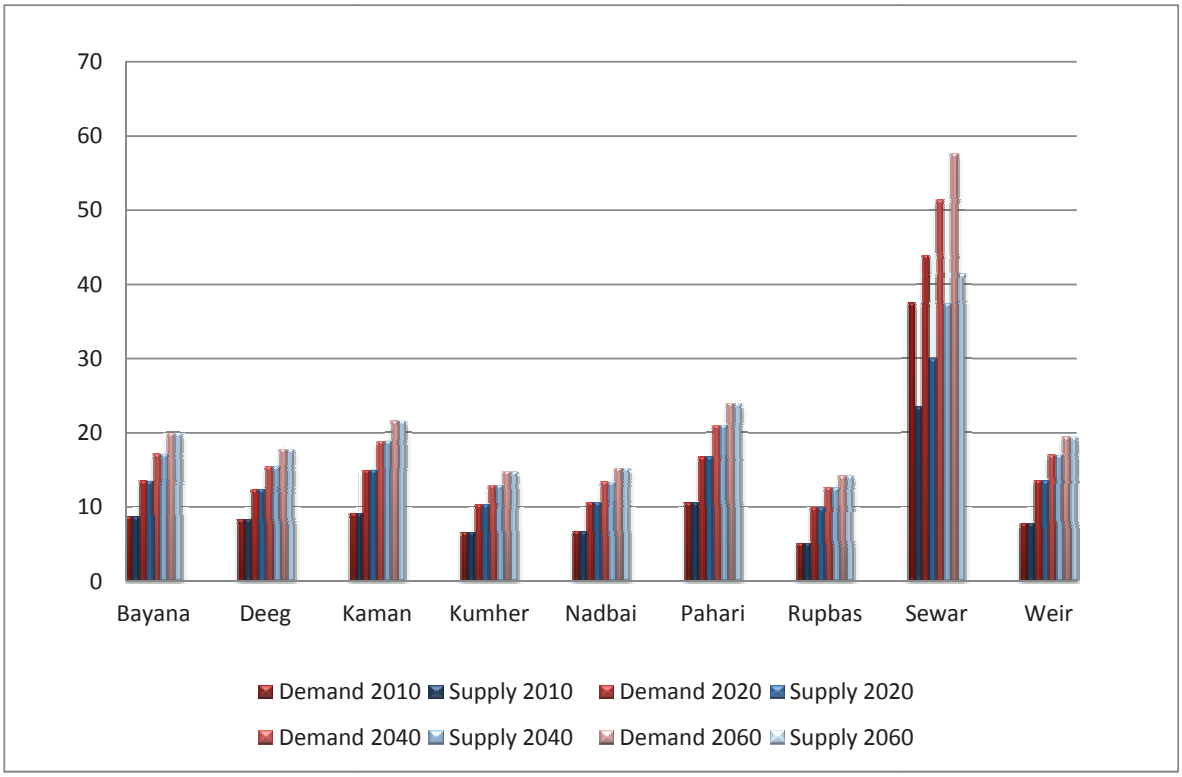
Table C-5.6 Bharatpur District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Bharatpur	2010	25%	763.82	417.47	100.25	294.29	791.02	100.25	164.99	172.25	21.38	26.93	290.41	65.15	402.72	0.00	62.78	0.00
		50%	370.10	417.47	100.25	305.31	820.64	98.77	148.52	171.67	1.37	10.73	241.71	43.99	119.44	0.00	48.64	0.00
		75%	114.36	417.47	100.25	334.50	899.09	90.90	100.84	170.16	1.29	0.00	153.71	19.40	36.87	0.00	41.34	0.00
		90%	34.22	417.47	100.25	331.47	890.96	86.24	82.99	166.21	0.30	0.00	122.61	9.37	14.26	0.00	30.29	0.00
	2020	25%	763.62	417.47	145.85	303.98	781.33	145.85	175.26	158.74	61.07	33.77	193.04	74.39	401.96	0.00	62.98	0.00
		50%	370.10	417.47	145.85	315.36	810.59	144.36	159.54	158.25	6.81	25.33	171.25	51.24	119.44	0.00	48.64	0.00
		75%	114.36	417.47	145.85	345.51	888.08	136.50	109.96	156.01	0.95	0.00	113.39	19.48	36.87	0.00	41.34	0.00
		90%	34.22	417.47	145.85	342.38	880.04	131.83	87.11	149.74	0.00	0.00	89.91	9.13	14.26	0.00	30.29	0.00
	2040	25%	763.21	417.47	179.56	303.98	781.33	179.56	169.19	144.44	56.28	33.51	184.40	73.28	403.42	0.00	63.39	0.00
		50%	370.10	417.47	179.56	315.36	810.59	178.07	153.22	143.86	3.31	25.00	163.63	49.68	119.44	0.00	48.64	0.00
		75%	114.36	417.47	179.56	345.51	888.08	170.21	102.69	140.17	0.00	0.00	104.52	18.71	36.87	0.00	41.34	0.00
		90%	34.22	417.47	179.56	342.38	880.04	165.55	76.53	135.36	0.00	0.00	81.59	8.69	14.26	0.00	30.29	0.00
	2060	25%	762.80	417.47	204.38	303.98	781.33	204.37	164.10	135.56	51.81	33.24	178.16	71.41	405.41	0.00	63.80	0.00
		50%	370.10	417.47	204.38	315.36	810.59	202.88	147.67	134.75	1.21	24.05	157.61	48.60	119.45	0.00	48.64	0.00
		75%	114.36	417.47	204.38	345.51	888.08	195.02	93.13	131.45	0.00	0.00	97.91	18.78	36.87	0.00	41.34	0.00
		90%	34.22	417.47	204.38	342.38	880.04	188.12	69.01	126.33	0.00	0.00	76.07	8.19	14.26	0.00	30.29	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.12 Bharatpur District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-06.2

5.7 Bhilwara

In this section, the water balance results of the WEAP simulation of the Bhilwara district are presented. The Bhilwara district is located southwest of the centre of Rajasthan, bordered by the Ajmer, Bundi, Chittaurgarh and Rajsamand districts (Figure C-5.13). The Bhilwara district shares a border with the Haryana and Madhya Pradesh State. The Bhilwara district lies across two river basins, the majority of the district lies in the Banas River Basin and the east of the district lies in the Chambal River Basin.

The main special features of the Bhilwara district are the following:

- The Meja dam, which supplied water to Bhilwara town, is mainly feed by the Matrikundia diversion, located at the border of Chittaurgarh and Rajsamand districts
- The Bhilwara district is one of the three districts that import water from the Bisalpur Dam, located in the Tonk district (the two other districts are Jaipur and Ajmer). However, compared to the two other districts the present quantity imported is very small – 0.44 Mm^3/yr - and is supplied to the Gulabpura Hurda town in the Hurda block.
- A power plant is planned in Mandalgarh block for planning stage 2020, with an evaluated demand of about 30 Mm^3/yr
- There is an on-going minor dam located in Raipur block - Parwati Sagar - , with a storage capacity of 0.46 Mm^3 and a CCA of 73 Ha
- There is an intake on Bansa River, in Hurda block, that supplies water to the industry in this same block.

Figure C-5.13 The Bhilwara district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Bhilwara district is that shortages appear for future planning stages in the Suwana block, where the Bhilwara town is located. In addition, the demand of the planned power plant in Mandalgarh block cannot be satisfied for all dependability levels. Thus, the maximum non-agricultural unmet demand of the district is 65 Mm^3/yr or 35 Mm^3/yr depending if the planned power plant is considered or not. Other main results are presented in the following paragraphs. Table C-5.7 shows the general water balance of Bhilwara district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-07".

Satisfaction of the non-agricultural demand:

Out of the 11 blocks of the Bhilwara district, 9 blocks have no unmet demand for non-agricultural uses, for all planning stages and dependability levels (see Figure C-5.14). The 2 blocks where shortages occur are Mandalgarh and Suwana.

In the Mandalgarh block, the unmet demand is exclusively due to a planned power plant (that does not exist yet). The demand of this power plant, evaluated to about 30 Mm^3/yr, can only be met for dependability levels 25% and 50%.

In the Suwana block, in 2020 and for a dependability level of 90%, the unmet demand affects the industrial sector. From planning stage 2040, livestock and domestic shortages also appear, for dependability level 75% and 90%. The maximum non-agricultural unmet demand in the block in 2020, 2040 and 2060 is 5 Mm^3/yr, 22 Mm^3/yr and 36 Mm^3/yr respectively.

This gap shall be closed once the Chambal Bhilwara Water Supply Project is completed (before 2020). The estimated cost of the project is Rs. 727.82 Crores.

There is another proposed project aimed at transferring of surplus water from Anas river (Mahi basin) to Jaisamand Dam- 140.05 Mm^3/yr (Udaipur), Rajsamand Dam- 98.50 Mm^3/yr (Rajsamand), Meja Dam- 84.00 Mm^3/yr (Bhilwara) and Bisalpur Dam- 300.00 Mm^3/yr (Tonk) with estimated cost Rs. 3681.30 Crores. This will further augment the water availability in Bhilwara district.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 10% and 82%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 5% and 8% considering full potential cultivable area and between 29% and 43% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

There are no spills from the major/medium dams for a dependability level of 75% but there are about 30 Mm^3/yr of spills from the major and medium dams for a dependability level of 50%. Spills mainly come from Kothari dam but also from Jetpura dam. Those spills are intercepted by the Bisalpur dam located downstream in the Tonk district.

There is no excess of surface water stored in the dams for dependability level 75% and 50%.

There is no unutilised groundwater outside CCA.

There is no significant unutilised groundwater inside CCA for dependability level 75% and 50%.

Transfers of water between states, districts and blocks:

The main import of water to Bhilwara district comes from the Matrikundia diversion, located at the border of the Rajsamand and Chittaurgarh districts. Matrikundia diverts to the Meja dam a volume varying between 0 and 70 Mm^3/yr, depending on the planning stage and dependability level. A small import also comes from the Tonk district via the Bisalpur dam for supply to the Gulabpura Hurda town (< 2 Mm^3/yr).

There is no export of water from the Bhilwara district to other districts.

Between the different blocks of the Bhilwara district, there is a transfer of water from Kothari dam in Kotri block to the industry in Suwana block.

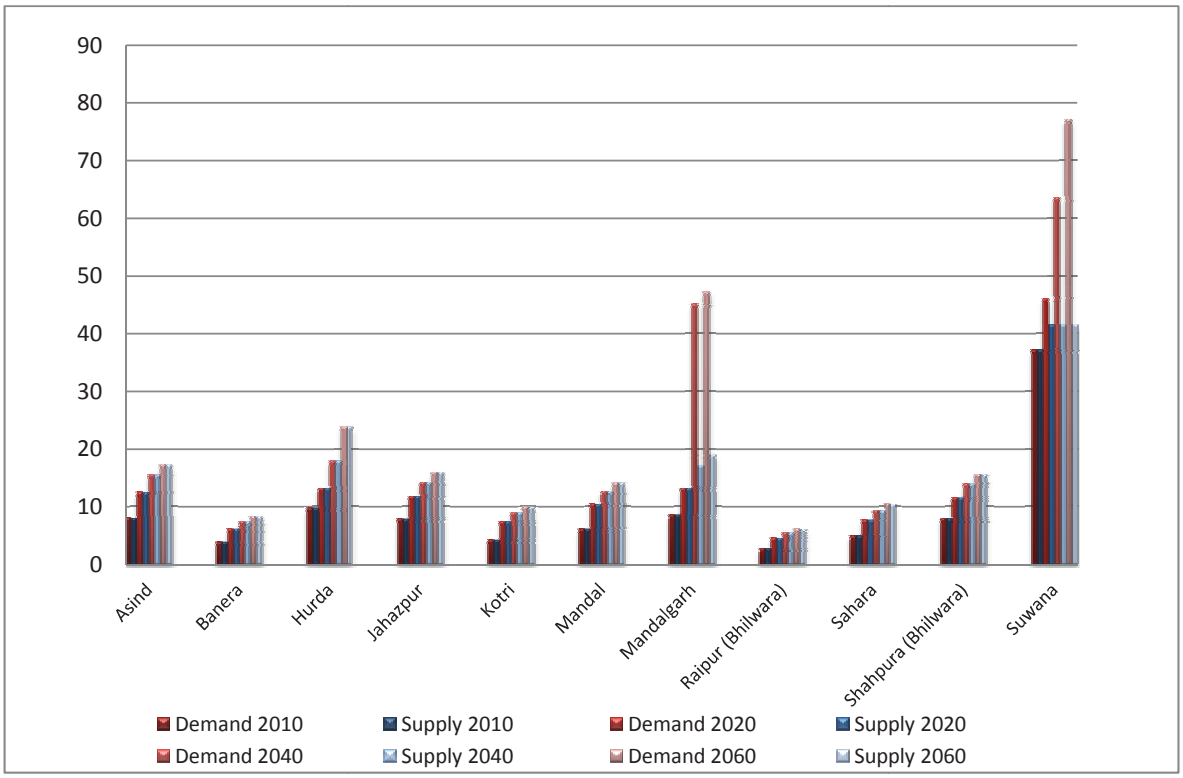
Table C-5.7 Bhilwara District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Bhilwara	2010	25%	1487.68	417.32	101.79	455.55	2364.27	101.79	315.84	192.10	350.94	24.11	577.31	317.48	0.00	115.29	89.85	0.00
		50%	608.55	417.32	101.79	466.94	2423.34	101.79	228.40	189.36	5.37	2.79	379.08	131.39	0.02	29.31	41.63	0.00
		75%	182.82	417.32	101.79	489.70	2541.48	101.79	89.12	185.33	4.51	0.00	154.01	79.71	0.00	0.00	14.33	0.00
		90%	55.30	417.32	101.79	504.74	2619.54	101.79	52.24	181.39	0.08	0.00	102.46	35.84	0.00	0.01	1.20	0.00
	2020	25%	1488.17	417.33	145.10	455.80	2364.02	145.10	373.45	183.62	433.60	24.92	384.39	335.44	0.00	114.51	89.52	0.00
		50%	608.75	417.33	145.10	467.19	2423.09	145.10	272.96	179.76	8.82	5.23	279.21	148.83	0.02	28.02	41.88	0.00
		75%	182.88	417.33	145.10	489.96	2541.22	145.10	95.45	174.07	4.05	0.00	114.65	81.46	0.01	0.00	14.57	0.00
		90%	55.31	417.33	145.10	505.01	2619.27	140.47	53.44	168.81	0.08	0.00	76.06	35.00	0.00	0.01	1.22	0.00
	2040	25%	1488.16	417.33	214.75	455.80	2364.02	214.75	362.62	168.77	406.42	23.61	370.55	328.44	0.00	118.79	88.46	0.00
		50%	608.74	417.33	214.75	467.19	2423.09	212.38	247.79	164.57	7.86	5.16	253.05	146.74	0.01	29.92	41.40	0.00
		75%	182.88	417.33	214.75	489.96	2541.22	180.26	89.35	157.91	3.37	0.00	105.36	78.11	0.00	0.00	14.15	0.00
		90%	55.31	417.33	214.75	505.01	2619.27	164.69	53.34	151.95	0.00	0.00	70.63	33.36	0.00	0.01	1.34	0.00
	2060	25%	1488.15	417.33	246.50	455.80	2364.02	245.26	355.42	157.48	404.07	21.45	361.21	325.13	0.00	122.39	86.94	0.00
		50%	608.73	417.33	246.50	467.19	2423.09	237.48	241.09	153.22	7.05	5.09	244.79	145.97	0.01	31.49	40.14	0.00
		75%	182.88	417.33	246.50	489.96	2541.22	196.93	87.67	146.69	2.83	0.00	100.96	78.26	0.00	0.00	13.13	0.00
		90%	55.31	417.33	246.50	505.01	2619.27	182.65	50.81	141.44	0.00	0.00	66.40	32.81	0.00	0.01	1.47	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.14 Bhilwara District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-07.2

5.8 Bikaner

In this section, the water balance results of the WEAP simulation of the Bikaner district are presented. The Bikaner district is located north west of the Rajasthan State, bordered by the Ganganagar, Hanumangarh, Churu, Nagaur, Jodhpur and Jaisalmer districts (Figure C-5.15). The Bikaner district also shares a border with Pakistan. The Bikaner district lies entirely outside any river basin in the arid region of the state defined as the "Outside Basin".

The main special features of the Bikaner district are presented in the following paragraphs.

The Bikaner district is one of the districts that have no major/medium dams and imports water from outside of the Rajasthan State. It imports water both for irrigation and for non-agricultural uses, via the canals IGNP Stage-I (IGNPI) and IGNP Stage-II (IGNPII).

There are two power plants located in the Bikaner block: "Barsinghsar Lignite by NTPC" and "Palana Lignite".

There is no groundwater available for supply in the Khajuwala block.

There is no specific wildlife demand at all in all the blocks except in the Bikaner and Kolayat blocks.

Figure C-5.15 The Bikaner district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Bikaner district is that there is no non-agricultural unmet demand and there is no significant excess of water. Other main results are presented in the following paragraphs. Table C-5.8 shows the general water balance of Bikaner district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-08".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.16).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 34% and 100%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 4% and 8% considering full potential cultivable area and between 25% and 48% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

There is no unutilised groundwater inside CCA for a dependability level of 75%, although for a dependability level 50% there is of volume of 4-14 Mm^3/yr, located in the command area of IGNPI and IGNPII in Bikaner and Lunkaransar blocks.

There is no unutilised groundwater outside CCA.

There is no excess of surface water inside of the Bikaner district.

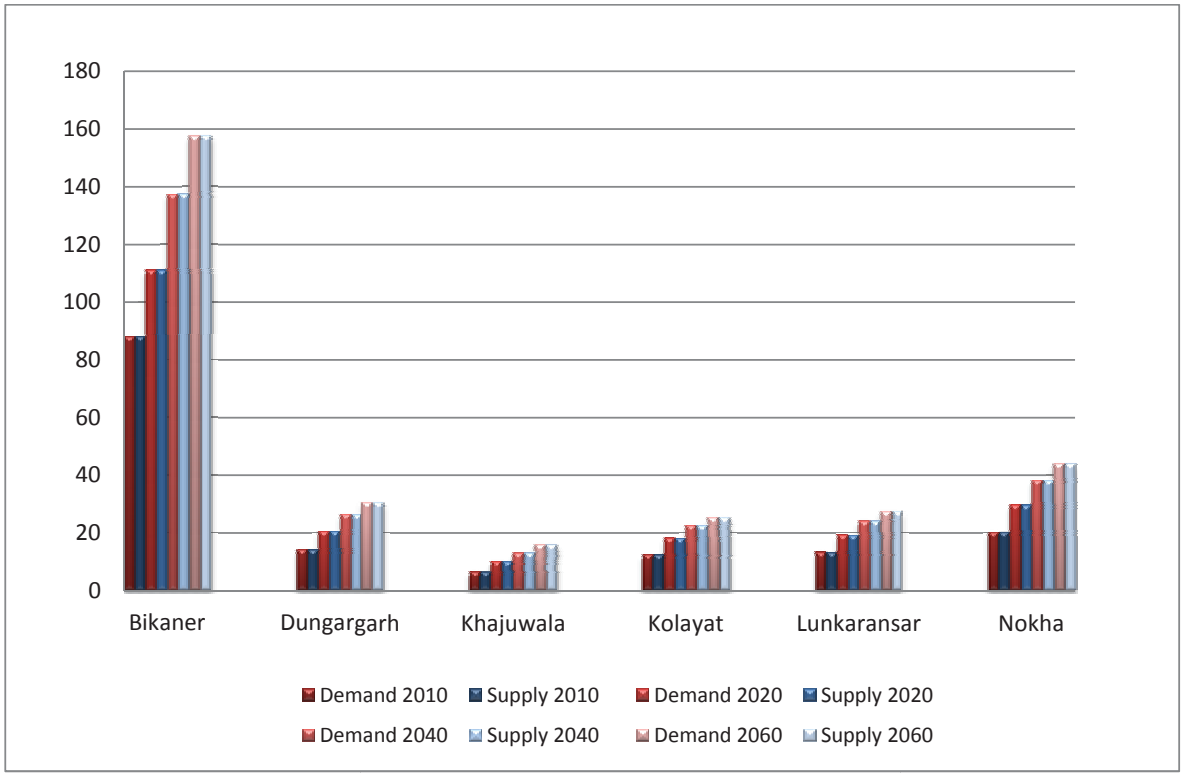
Transfers of water between states, districts and blocks:

There is a total net imported water from the IGNPI and IGNPII canals varying between 600 Mm^3/yr and 1315 Mm^3/yr depending on the dependability level and planning stage, out of which about 100 Mm^3/yr to 200 Mm^3/yr is supplied for non-agricultural uses.

There is no export of water from the Bikaner district to other districts.

There are no transfers between the different blocks of the Bikaner district.

Figure C-5.16 Bikaner District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-08.2

Table C-5.8 Bikaner District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Bikaner	2010	25%	41.21	256.43	155.07	1088.44	1590.38	155.07	965.83	131.71	8.10	19.73	1560.44	9.97	0.00	0.00	2553.22	0.00
		50%	19.35	256.43	155.07	1196.97	1748.95	155.07	783.29	129.45	0.00	4.77	1262.52	5.33	0.00	0.00	2064.66	0.00
		75%	4.27	256.43	155.07	1388.89	2029.38	155.07	601.40	124.54	0.00	0.00	972.47	1.68	0.00	0.00	1594.47	0.00
		90%	1.69	256.43	155.07	1521.47	2223.10	155.07	515.94	123.49	0.00	0.00	838.34	0.61	0.00	0.00	1375.33	0.00
	2020	25%	41.21	256.43	209.18	1180.52	1590.38	209.18	1175.78	128.07	9.22	23.88	1197.97	10.76	0.00	0.00	2457.23	0.00
		50%	19.35	256.43	209.18	1298.23	1748.95	209.18	943.35	125.52	0.92	14.79	964.15	5.86	0.00	0.00	1988.00	0.00
		75%	4.27	256.43	209.18	1506.38	2029.38	209.18	766.21	120.27	0.00	0.00	780.98	1.67	0.00	0.00	1617.61	0.00
		90%	1.69	256.43	209.18	1650.18	2223.10	209.18	650.68	119.14	0.00	0.00	666.90	0.61	0.00	0.00	1388.39	0.00
	2040	25%	41.21	256.43	262.09	1180.52	1590.38	262.09	1151.94	114.89	9.07	19.68	1168.28	10.64	0.00	0.00	2438.96	0.00
		50%	19.35	256.43	262.09	1298.23	1748.95	262.09	915.93	112.18	0.88	14.33	932.72	5.73	0.00	0.00	1968.07	0.00
		75%	4.27	256.43	262.09	1506.38	2029.38	262.09	730.25	106.87	0.00	0.00	741.35	1.64	0.00	0.00	1581.51	0.00
		90%	1.69	256.43	262.09	1650.18	2223.10	262.09	613.85	105.71	0.00	0.00	626.41	0.61	0.00	0.00	1350.54	0.00
	2060	25%	41.21	256.43	301.08	1180.52	1590.38	301.08	1127.72	104.37	8.87	15.88	1139.43	10.39	0.00	0.00	2410.10	0.00
		50%	19.35	256.43	301.08	1298.23	1748.95	301.08	888.62	101.51	0.70	13.62	902.28	5.52	0.00	0.00	1937.55	0.00
		75%	4.27	256.43	301.08	1506.38	2029.38	301.08	690.60	96.07	0.00	0.00	699.08	1.61	0.00	0.00	1527.75	0.00
		90%	1.69	256.43	301.08	1650.18	2223.10	301.08	573.29	94.89	0.00	0.00	583.23	0.61	0.00	0.00	1294.98	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.9 Bundi

In this section, the water balance results of the WEAP simulation of the Bundi district are presented. The Bundi district is located South-east of the Rajasthan State, bordered by the Bhilwara, Tonk, Sawai Madhopur, Kota, and Chittaurgarh districts (Figure C-5.17). The Bundi district lies almost entirely in the Chambal River Basin, with the north corner overlapping the Banas River Basin.

The main principal features of the Bundi district are the following:

- 37% of the CCA of the Kota Barrage is located in Bundi district, in the Bundi, Keshorai Patan and Talera blocks
- There is an on-going medium dam - Gararda - in the Bundi block, with a gross storage capacity of 44.38 Mm^3 and a CCA of 9161 ha; it is planned that it will have a committed volume of water of 5 Mm^3/yr for the Bundi town in 2020 and increasing over the years with the demand.
- There is a power plant planned for 2040, Keshoraipatan Gas TPP, located in the block Keshoraipatan and supplied by an intake on Chambal river
- The two medium dams Bhimlat and Abhaypura Dam, located in the Bundi block, have a common command area; Bhimlat is upstream, the Abhaypura Dam is downstream and spills from Bhimlat have been considered in Abhaypura Dam inflow

Figure C-5.17 The Bundi district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Bundi district is that there is no non-agricultural unmet demand for any dependability level and there is some excess water. There is about 65 Mm^3/yr, 22 Mm^3/yr and 6 Mm^3/yr of spills for a dependability level of 50%, 75% and 90% respectively, located at the Abhaypura and the Burdha dams. There is about 85-95

Mm^3/yr of unutilised groundwater inside CCA for a dependability level of 50% in the future, mainly located in the CCA of Kota barrage. Other main results are presented in the following paragraphs. Table C-5.9 shows the general water balance of Bundi district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-09".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.18).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 39% and 96%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 11% and 13% considering full potential cultivable area and between 17% and 21% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

There is a total of about 65 Mm^3/yr, 22 Mm^3/yr and 6 Mm^3/yr of spills in the district for a dependability level of 50%, 75% and 90% respectively. The spills are mainly located at the Abhaypura dam and also at the Burdha dam for a dependability level of 50%. There are also spills from the Bhimlat dam but they are intercepted at the Abhaypura dam.

There is no significant excess of surface water stored above the dead storage of the major and medium dams of the district for a dependability level of 75% or 50%.

There is about 85-95 Mm^3/yr of unutilised groundwater inside CCA for a dependability level of 50% in the future, mainly located in the CCA of Kota barrage.

There is no unutilised groundwater outside CCA.

Transfers of water between states, districts and blocks:

There is a gross import of water from the Kota district for irrigation under the command area of the Kota Barrage in the Bundi, Keshoraipatan and Talera blocks, varying between 70 Mm^3/yr and 840 Mm^3/yr, depending on the dependability level and planning stage.

As regards the import of water for non-agricultural uses, there is an import of water of 2-5 Mm^3/yr from the Jawahar Sagar dam located at the border of the Kota and the Bundi district for domestic use in the Talera block.

There is no export of water from the Bundi district to other districts.

Between the different blocks of the Bundi district, there is a transfer of water from Gudha and Bundi Ka Gothra dam, located in Hindoli block, for domestic supply to the Keshorai Patan block.

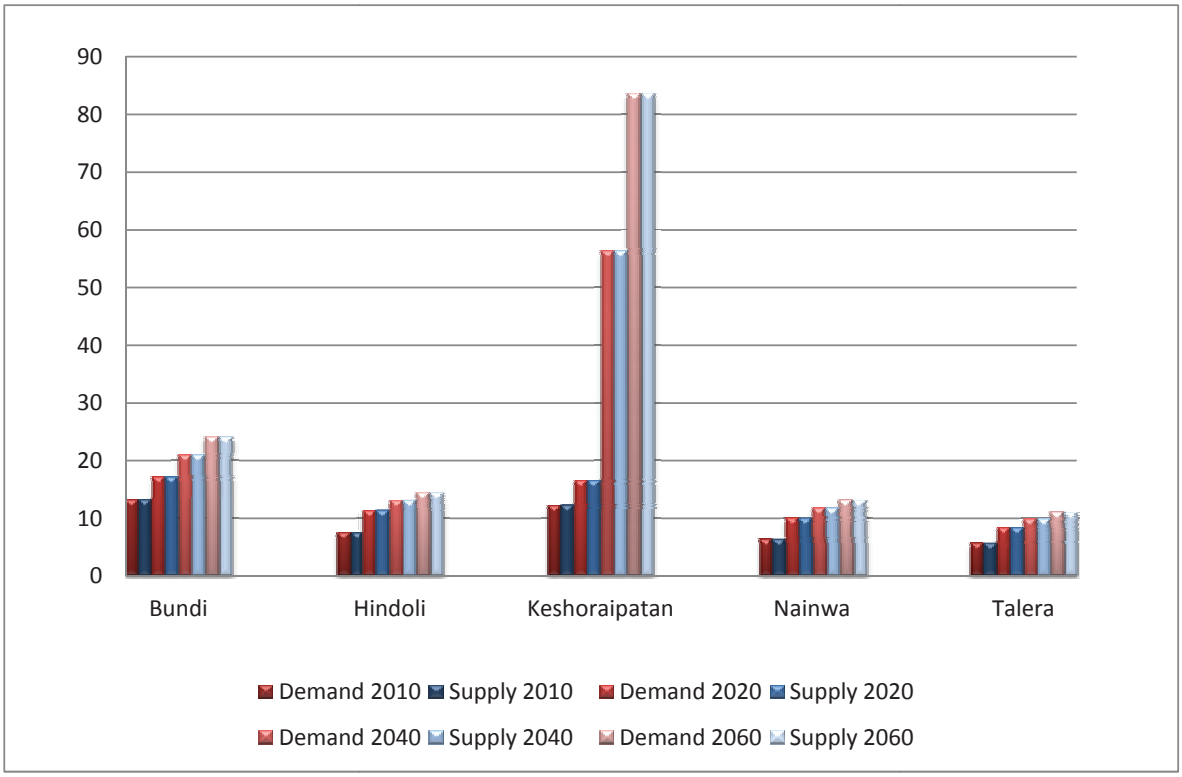
Table C-5.9 Bundi District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Bundi	2010	25%	872.64	349.04	45.27	491.73	615.40	45.27	472.12	78.06	82.46	97.88	819.25	98.33	370.90	0.00	842.58	0.00
		50%	495.00	349.04	45.27	501.08	627.11	45.27	445.75	77.99	49.96	7.39	653.15	82.58	63.61	0.00	581.65	0.00
		75%	238.19	349.04	45.27	518.65	649.09	45.27	289.09	76.29	4.68	0.18	346.89	39.10	21.98	0.00	236.23	0.00
		90%	116.08	349.04	45.27	529.80	663.05	45.27	213.97	75.57	0.24	0.00	216.11	27.37	6.49	0.00	119.88	0.00
	2020	25%	961.66	349.04	63.71	526.87	580.26	63.71	506.11	78.83	117.87	105.42	449.72	107.02	407.74	0.00	525.73	0.00
		50%	546.57	349.04	63.71	536.89	591.30	63.71	506.29	77.08	80.35	97.99	446.70	89.03	64.69	0.00	530.24	0.00
		75%	267.63	349.04	63.71	555.71	612.02	63.71	362.97	74.71	10.34	0.18	266.50	43.25	22.26	0.00	227.26	0.00
		90%	129.44	349.04	63.71	567.66	625.18	63.71	245.60	73.90	1.75	.00	158.73	28.43	6.48	0.00	100.13	0.00
	2040	25%	997.45	349.04	112.39	526.87	580.26	112.39	504.35	77.60	110.64	103.09	447.73	104.91	412.25	0.00	526.48	0.00
		50%	582.38	349.04	112.39	536.89	591.30	112.39	504.62	75.09	76.31	95.24	444.56	87.30	66.08	0.00	530.17	0.00
		75%	303.43	349.04	112.39	555.71	612.02	112.39	347.56	72.58	8.59	0.08	252.55	42.97	22.22	0.00	206.47	0.00
		90%	165.26	349.04	112.39	567.66	625.18	112.39	233.59	71.78	0.22	0.00	148.21	28.66	6.48	0.00	87.03	0.00
	2060	25%	021.88	349.04	146.65	6.87	580.26	146.64	1.79	6.75	105.63	1.06	445.27	103.53	417.21	0.00	526.95	0.00
		50%	606.81	349.04	146.65	536.89	591.30	146.64	503.15	73.81	72.68	86.22	439.60	87.07	67.40	0.00	520.71	0.00
		75%	327.75	349.04	146.65	555.71	612.02	146.64	335.46	71.07	6.75	0.00	241.58	43.11	22.16	0.00	190.00	0.00
		90%	189.57	349.04	146.65	567.66	625.18	146.64	223.80	70.31	0.22	0.00	139.80	28.77	6.49	0.00	77.43	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.18 Bundi District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-09.2

5.10 Chittaurgarh

In this section, the water balance results of the WEAP simulation of the Chittaurgarh district are presented. The Chittaurgarh district is located South East of the Rajasthan State, bordered by the Kota, Bundi, Bhilwara, Rajsamand, Udaipur, and Pratapgarh districts (Figure C-5.19). The Chittaurgarh district shares a border with the Madhya Pradesh State. The Chittaurgarh district lies almost entirely in the Banas River Basin, with the east corner in the Chambal River Basin and the South point in the Mahi River Basin.

The more important special feature of the Chittaurgarh district is its Rana Pratap Sagar dam, located in the Chambal river basin, in the Bhainsrorgarh block. It has not a very large CCA (only 500 Ha) but it gross storage capacity of 2899 Mm^3 makes it being the biggest dam in all the Rajasthan State. It is the second in the series of Chambal Valley Projects. The Gandhi Sagar dam, located in the Madhya Pradesh state, is the most upstream dam and the biggest structure of the series. It has a gross storage capacity of 7323 Mm^3 and an annual inflow of 7109 Mm^3 for a dependability level of 25%. The second dam is the Rana Pratap Sagar dam (located in the Chittaurgarh district). It is also a very big structure and has an annual inflow of 209 Mm^3 for a dependability level of 25%. The third dam is Jawahar Sagar, located at the border of the Ladpura block of Kota district and the Talera block of Bundi district and is much smaller than the two previous dams. It has a gross storage capacity of 68 Mm^3 and an annual inflow of 714 Mm^3 for a dependability level of 25%. The fourth dam is the Kota barrage, which has a gross storage capacity of 112 Mm^3 and an annual inflow of 326 Mm^3 for a dependability level of 25%. Gandhi Sagar dam spills to Rana Pratap Sagar dam, which

spills to Jawahar Sagar dam, which finally spills to Kota Barrage. The values reported below as regards the inflows in those four dams do not include those spills.

Besides its spills to the Jawahar Sagar dam, the Rana Pratap Sagar dam also supplies water in its block (Bhainsrorgarh) to the Rawatbhata town, to rural domestic demand, to an industry, to a power plant and to agricultural demand in its command area. Moreover, it exports water to urban and rural demand in the Jhalrapatan block of the Jhalawar district.

Other main special features of the Chittaurgarh district are the following:

- It is one of the district with the highest number of major/medium dams (9 dams)
- There is a diversion structure, Matrikundia, located at the border of the Rajsamand and Chittaurgarh districts that diverts water to supplement the Meja dam in the Bhilwara district and supplies to some industries in the Railmagra block of the Rajsamand district
- There are two power plants in the Chittaurgarh district: "RAPP Rajasthan Atomic Power Station (Nuclear)" and " Chittaurgarh TPS", located in the Bhainsrorgarh and Chittaurgarh blocks respectively
- The Gosunda dam, located in Chittaurgarh district, is reserved for non-agricultural uses; it is owned by Hindustan Zinc Limited (HZL) and caters their demand; it also supplies the Chittaurgarh TPS

Figure C-5.19 The Chittaurgarh district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Chittaurgarh district is that there is no domestic and livestock unmet demand but there are some shortages for the industry and power plant in the Chittaurgarh block. From another hand, there are big surplus of water stored in the dead storage of the Rana Pratap Sagar dam, in the Bhainsrorgarh block. This surplus varies between 800 Mm^3/yr and 1330 Mm^3/yr depending on the planning stage and the

dependability level. Other main results are presented in the following paragraphs. Table C-5.10 shows the general water balance of Chittaurgarh district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-10".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for domestic and livestock in any block (see Figure C-5.20). The demand of the industry and power plant in the Chittaurgarh block is not always satisfied. The industrial demand is satisfied except in 2060, where there is an unmet demand of 6 Mm^3/yr and 11 Mm^3/yr for a dependability level of 75% and 90% respectively. As regards the power plant, there is an unmet demand of 5 Mm^3/yr for a dependability level of 90% in all years for which water should be kept reserved in source for ensuring firming of power generation in lean years. Some 5 Mm^3/yr can be available by proper management of water supply in Chittaurgarh. The results further suggest that industrial expansion should not be done after 2040.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 15% and 83%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 6% and 11% considering full potential cultivable area and between 14% and 25% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

There are some excess of surface water in the Chittaurgarh district. There are big surplus of water stored in the dead storage of the Rana Pratap Sagar dam, in the Bhainsrorgarh block. Considering only the Rajasthan share (50% of the total excess), this surplus varies between 560 Mm^3/yr and 665 Mm^3/yr for a dependability level of 50%, between 440 Mm^3/yr and 555 Mm^3/yr for a dependability level of 75% and between 405 Mm^3/yr and 540 Mm^3/yr for a dependability level of 90%. There is also an excess water at the Gosunda Project for a dependability of 50%, which varies between about 20 Mm^3/yr and 50 Mm^3/yr (including water in dead storage), depending on the planning stage. There is also spills at several dams of the district for a dependability level of 75% or 50% but they are already intercepted by the Bisalpur dam (located in the Tonk district), which is downstream.

There is no excess of groundwater for a dependability level of 75%. For a dependability level of 50%, there is about 20 Mm^3/yr of unutilised groundwater inside CCA but it is mainly distributed in the CCA of the different minor dams.

Transfers of water between states, districts and blocks:

There is a huge import of water from the Gandhi Sagar dam (located outside of the Rajasthan State) to the Rana Pratap Sagar dam; the quantity imported varies between approximately 2180 Mm^3/yr and 5925 Mm^3/yr, depending on the dependability level and planning stage.

Out of this volume, 975 Mm^3/yr to 4600 Mm^3/yr is exported, mainly to the Jawahar Sagar dam and then to the Kota Barrage in the Kota district. There is also a direct export of water from the Rana Pratap Sagar dam to the Kota and Jhalawar districts for

domestic demand in the Khairabad and Jhalrapatan blocks (9 Mm^3/yr to 21 Mm^3/yr, depending on the planning stage).

There is also an export of water from the Matrikundia diversion, located at the border of the Chittaurgarh and Rajsamand districts, mainly to the Meja dam in the Bhilwara district (0 to 70 Mm^3/yr) but also to the industry in the Railmagra block of the Rajsamand district (0 to 6 Mm^3/yr).

Between the different blocks of the Chittaurgarh district, there is no transfer of water for non-agricultural uses.

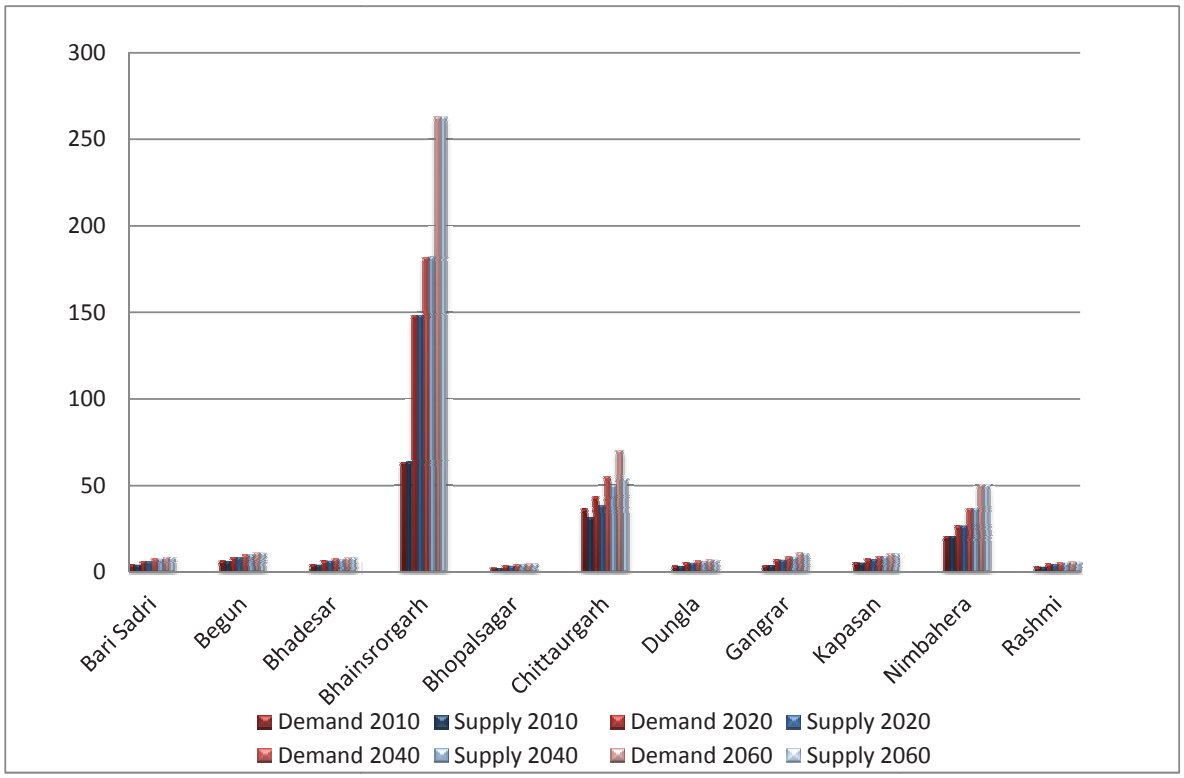
Table C-5.10 Chittaurgarh District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Chittaurgarh	2010	25%	1723.06	311.77	153.56	243.69	1374.62	153.56	175.00	151.57	1508.51	17.43	327.94	322.04	395.01	4962.65	5978.89	0.00
		50%	1004.89	311.77	153.56	246.59	1390.97	153.56	169.80	151.49	1287.22	17.18	308.00	280.09	25.04	3602.96	4678.68	0.00
		75%	498.30	311.77	153.56	251.27	1417.38	153.56	128.55	141.57	1112.21	0.00	214.61	242.23	0.03	1765.03	2947.70	0.00
		90%	161.19	311.77	153.56	254.32	1434.57	148.63	45.00	138.76	1082.65	0.00	90.08	174.19	0.00	975.82	2182.19	0.00
	2020	25%	1722.39	311.77	268.36	243.69	1374.62	268.36	202.71	142.67	1545.18	20.72	222.94	318.16	395.39	3330.04	4412.01	0.00
		50%	1004.19	311.77	268.36	246.59	1390.97	268.36	190.57	142.58	1508.92	20.22	210.78	287.38	25.67	3193.82	4532.33	0.00
		75%	498.30	311.77	268.36	251.27	1417.38	268.36	153.85	130.15	1062.49	1.56	164.81	243.23	0.05	1762.59	2977.01	0.00
		90%	161.19	311.77	268.36	254.32	1434.57	263.43	49.58	126.72	1024.59	0.00	66.89	171.50	0.00	989.58	2219.33	0.00
	2040	25%	1720.36	311.77	333.42	243.69	1374.62	333.42	202.80	125.30	1530.55	20.73	217.23	308.04	394.12	3541.41	4641.49	0.00
		50%	1002.78	311.77	333.42	246.59	1390.97	333.42	190.75	125.20	1403.69	20.24	205.19	280.58	24.48	3399.14	4668.15	0.00
		75%	498.30	311.77	333.42	251.27	1417.38	333.42	147.84	111.47	967.30	1.36	155.54	234.12	0.05	1908.06	3049.09	0.00
		90%	161.19	311.77	333.42	254.32	1434.57	328.49	42.95	108.45	910.93	0.00	58.52	165.45	0.01	1154.84	2296.69	0.00
	2060	25%	1717.59	311.77	451.63	243.69	1374.62	451.63	202.09	105.19	1514.21	20.50	209.71	302.75	392.92	3682.97	4852.60	0.00
		50%	1001.13	311.77	451.63	246.59	1390.97	451.63	190.22	105.05	1270.87	20.08	197.89	284.52	23.34	3522.96	4753.67	0.00
		75%	498.30	311.77	451.63	251.27	1417.38	445.43	140.09	92.52	879.65	1.22	145.08	233.31	0.02	1984.22	3111.47	0.00
		90%	161.19	311.77	451.63	254.32	1434.57	435.62	39.32	89.15	804.26	0.00	50.61	166.72	0.01	1255.46	2368.19	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.20 Chittaurgarh District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-10.2

5.11 Churu

In this section, the water balance results of the WEAP simulation of the Churu district are presented. The Chittaurgarh district is located North East of the Rajasthan State, bordered by the Hanumangarh, Bikaner, Nagaur, Sikar and Jhunjhunun districts (Figure C-5.21). The Churu district shares a border with the Haryana State. The Churu district lies entirely outside any river basin in the arid region of the state defined as the "Outside Basin".

The main special features of the Churu district are presented in the following paragraphs.

The Churu district is one of the districts that have no major/medium dams and imports water from outside of the Rajasthan State. It imports water both for irrigation and for non-agricultural uses via the IGNP Stage-II canal. There is also a relatively small import of water from the Nohar-Sidhmukh canal for irrigation in the Rajgarh block.

There is no groundwater available for supply in the Taranagar block.

There is no specific wildlife demand at all in all the blocks except a very small quantity in the Rajgarh block (< 0.2 Mm^3/yr).

Figure C-5.21 The Churu district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Churu district is that there is non-agricultural unmet demand in the Sujangarh block, starting from planning stage 2040. For a dependability level of 90% in 2060, it reaches an amount of about 10 Mm^3/yr, out of which 7 Mm^3/yr affect the domestic demand. Other main results are presented in the following paragraphs. Table C-5.11 shows the general water balance of Churu district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-11"

Satisfaction of the non-agricultural demand:

Out of the 6 blocks of the Churu district, 5 blocks have no unmet demand for non-agricultural uses, for all planning stages and dependability levels (see Figure C-5.22).

The only block where shortages occur is the Sujangarh block. There are about 3-5 Mm^3/yr and 8-10 Mm^3/yr of non-agricultural unmet demand in 2040 and 2060 respectively. The domestic unmet demand is 4 Mm^3/yr and 7 Mm^3/yr in 2040 and 2060 respectively.

A project named Aapni Yojana Phase-II is under consideration to cover 444 villages (431 villages of Churu district and 13 villages of Jhunjhunu district) and 6 towns of Churu district from Sahwa Lift Canal which takes off from Indira Gandhi Main Canal, as source with an estimated cost of Rs. 1330.00 Crores. The above shortages will be fulfilled after completion of this scheme.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 31% and 100%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA is <4% considering full

potential cultivable area and between 16% and 32% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

There is no excess of surface water or groundwater for a dependability level of 75% or 50%.

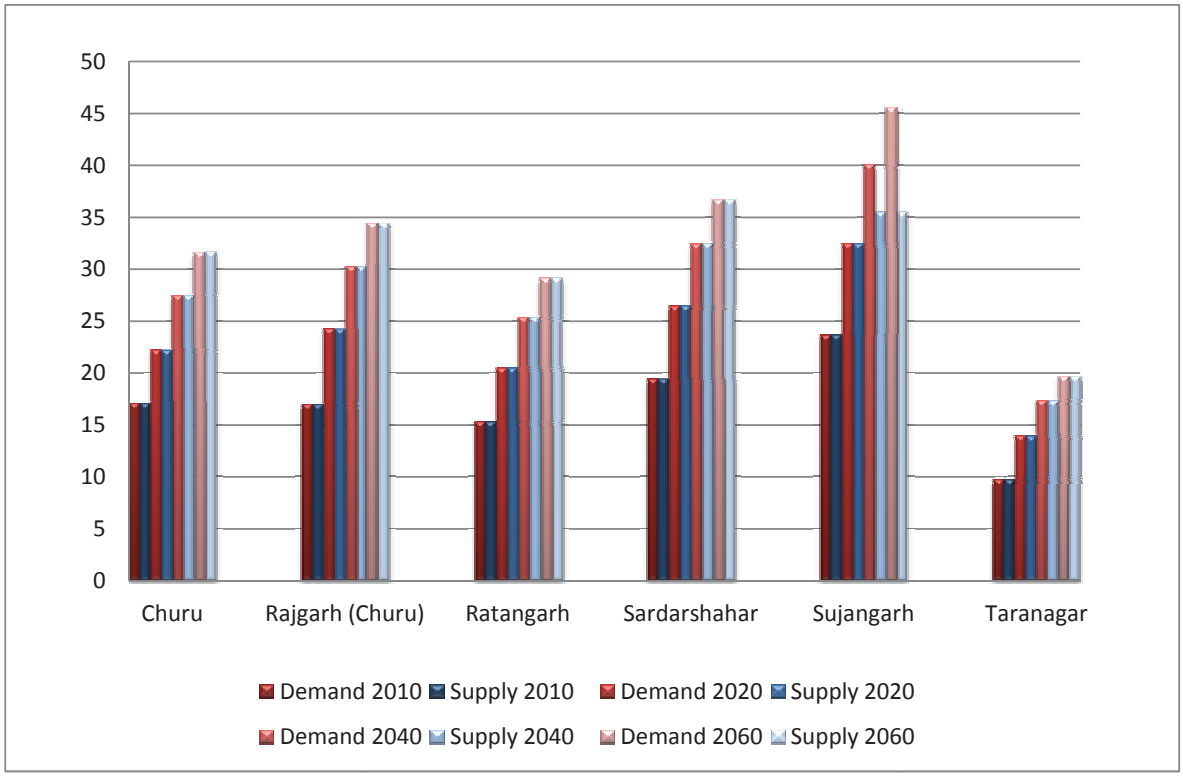
Transfers of water between states, districts and blocks:

There is a total net imported water from the canals varying between 90 Mm^3/yr and 375 Mm^3/yr depending on the dependability level and planning stage, out of which 54 Mm^3/yr to 108 Mm^3/yr are for non-agricultural uses.

There is no export of water from the Churu district to other districts.

There are no transfers between the different blocks of the Churu district.

Figure C-5.22 Churu District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-11.2

Table C-5.11 Churu District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Churu	2010	25%	2.80	145.00	102.24	78.96	1549.08	102.24	74.68	59.14	0.00	7.49	121.46	0.36	0.00	0.00	217.57	0.00
		50%	1.32	145.00	102.24	85.30	1673.49	102.24	62.50	58.25	0.00	0.00	96.60	0.15	0.00	0.00	173.43	0.00
		75%	0.29	145.00	102.24	96.68	1896.71	102.24	51.97	57.64	0.00	0.00	81.26	0.00	0.00	0.00	147.82	0.00
		90%	0.12	145.00	102.24	104.36	2047.43	102.24	45.89	57.51	0.00	0.00	73.42	0.00	0.00	0.00	133.95	0.00
	2020	25%	2.80	145.00	139.83	283.83	1549.08	139.83	283.53	52.34	0.00	14.39	291.10	0.33	0.00	0.00	633.71	0.00
		50%	1.32	145.00	139.83	306.62	1673.49	139.83	206.22	51.35	0.00	0.01	207.85	0.15	0.00	0.00	459.09	0.00
		75%	0.29	145.00	139.83	347.52	1896.71	139.83	157.74	50.70	0.00	0.00	160.41	0.00	0.00	0.00	363.38	0.00
		90%	0.12	145.00	139.83	375.14	2047.43	139.83	134.07	50.57	0.00	0.00	137.68	0.00	0.00	0.00	317.03	0.00
	2040	25%	2.80	145.00	172.99	283.83	1549.08	170.33	279.36	43.63	0.00	9.74	281.82	0.30	0.00	0.00	637.37	0.00
		50%	1.32	145.00	172.99	306.62	1673.49	169.26	198.05	43.44	0.00	0.00	197.17	0.12	0.00	0.00	461.73	0.00
		75%	0.29	145.00	172.99	347.52	1896.71	168.53	149.38	43.32	0.00	0.00	149.72	0.00	0.00	0.00	365.66	0.00
		90%	0.12	145.00	172.99	375.14	2047.43	168.39	125.60	43.29	0.00	0.00	126.92	0.00	0.00	0.00	319.09	0.00
	2060	25%	2.80	145.00	197.13	283.83	1549.08	188.99	275.04	39.14	0.00	4.90	273.71	0.28	0.00	0.00	634.25	0.00
		50%	1.32	145.00	197.13	306.62	1673.49	187.92	189.97	38.95	0.00	0.00	187.72	0.12	0.00	0.00	458.37	0.00
		75%	0.29	145.00	197.13	347.52	1896.71	187.19	141.12	38.82	0.00	0.00	140.09	0.00	0.00	0.00	361.93	0.00
		90%	0.12	145.00	197.13	375.14	2047.43	187.04	117.23	38.80	0.00	0.00	117.19	0.00	0.00	0.00	315.14	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.12 Dausa

In this section, the water balance results of the WEAP simulation of the Dausa district are presented. The Dausa district is located in the east of the state of Rajasthan, bordered by the Alwar, Bharatpur, Karauli, Sawai Madhopur, Tonk and Jaipur districts (Figure C-5.23). The Dausa district spreads over three river basins. Most of the district lies in the Banganga River Basin and towards the South the Banas and Gambhir River Basins.

The Dausa district has no special features that require to be pointed out.

Figure C-5.23 The Dausa district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Dausa district is that there is no non-agricultural unmet demand and there is no excess water. Other main results are presented in the following paragraphs. Table C-5.12 shows the general water balance of Dausa district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-12".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.24).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 27% and 98%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 9% and 18% considering full potential cultivable area and between 14% and 28% considering the

maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

No excess water is stored in the medium dams of Dausa district (Kala Kho and Madho Sagar).

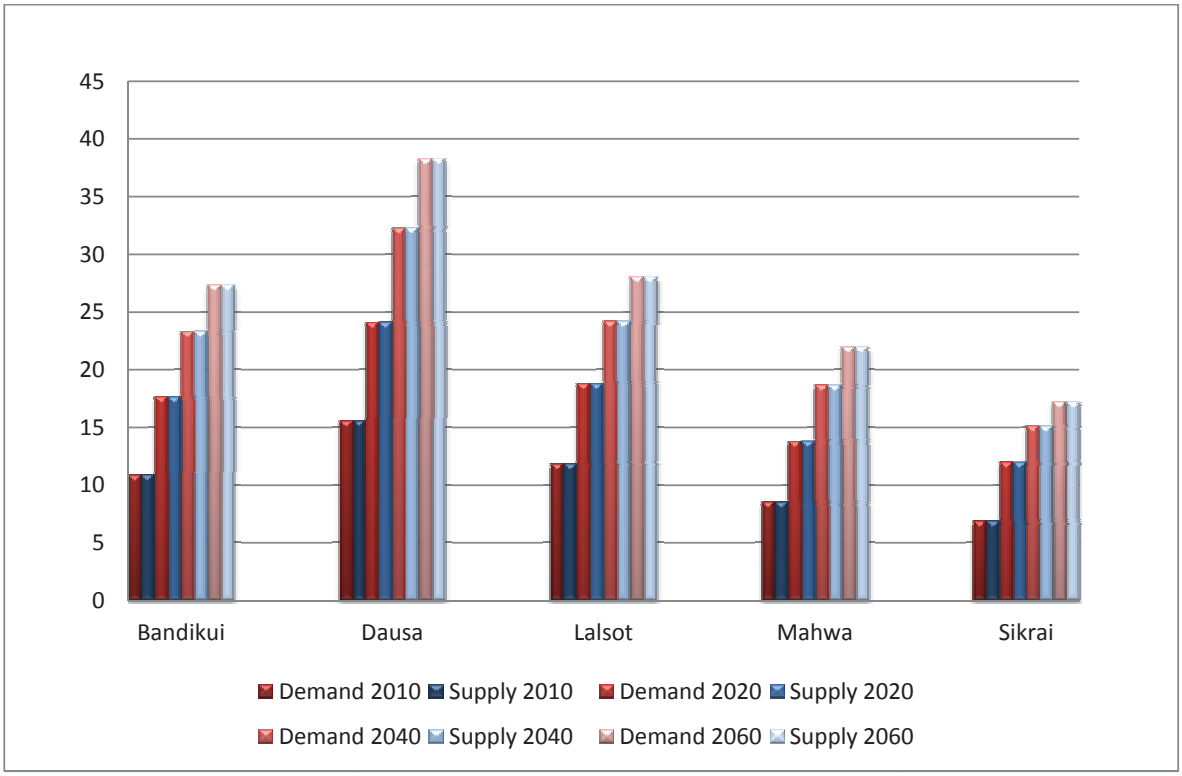
There are no spills for a dependability level of 75%. For a dependability level of 50%, there are only small spills at the Kala Kho dam (< 5 Mm^3/yr).There is no unutilised groundwater inside CCA for a dependability level of 75% or 50%.

There is no unutilised groundwater outside CCA.

Transfers of water between states, districts and blocks:

There is no export/import of water from/to the Dausa district to other districts and between the different blocks of the Dausa district for non-agricultural uses.

Figure C-5.24 Dausa District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-12.2

Table C-5.12 Dausa District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Dausa	2010	25%	209.94	249.36	53.80	78.96	681.00	53.80	68.33	123.59	12.95	9.95	143.94	30.87	32.19	0.00	16.31	0.00
		50%	109.75	249.36	53.80	79.91	689.24	53.80	49.99	122.82	1.34	0.00	111.62	22.62	2.35	0.00	5.42	0.00
		75%	20.95	249.36	53.80	81.31	701.33	53.80	23.08	119.42	0.37	0.00	63.75	10.42	0.00	0.00	0.52	0.00
		90%	3.64	249.36	53.80	82.30	709.82	53.80	22.59	116.06	0.08	0.00	59.85	0.62	0.00	0.00	0.00	0.00
	2020	25%	209.94	249.36	86.43	78.96	681.00	86.43	77.26	108.88	25.32	14.77	98.15	33.10	32.72	0.00	17.32	0.00
		50%	109.75	249.36	86.43	79.91	689.24	86.43	62.82	107.98	1.28	0.89	79.86	23.35	2.86	0.00	6.35	0.00
		75%	20.95	249.36	86.43	81.31	701.33	86.43	25.83	103.87	0.33	0.00	44.29	10.20	0.00	0.00	0.64	0.00
		90%	3.64	249.36	86.43	82.30	709.82	86.43	24.43	99.93	0.04	0.00	41.62	0.56	0.00	0.00	0.00	0.00
	2040	25%	209.94	249.36	113.70	78.96	681.00	113.70	77.00	90.30	24.16	14.32	91.50	32.54	32.91	0.00	17.13	0.00
		50%	109.75	249.36	113.70	79.91	689.24	113.70	62.09	89.25	0.87	0.53	72.78	23.06	3.86	0.00	7.02	0.00
		75%	20.95	249.36	113.70	81.31	701.33	113.70	25.92	83.97	0.25	0.00	37.73	9.79	0.00	0.00	1.06	0.00
		90%	3.64	249.36	113.70	82.30	709.82	113.70	24.58	79.54	0.00	0.00	34.97	0.42	0.00	0.00	0.22	0.00
	2060	25%	209.94	249.36	132.98	78.96	681.00	132.97	76.25	77.71	22.88	14.05	86.49	32.11	33.31	0.00	16.48	0.00
		50%	109.75	249.36	132.98	79.91	689.24	132.97	61.14	76.60	0.40	0.18	67.50	22.75	4.91	0.00	7.33	0.00
		75%	20.95	249.36	132.98	81.31	701.33	132.97	26.14	69.84	0.20	0.00	33.18	9.36	0.00	0.00	1.38	0.00
		90%	3.64	249.36	132.98	82.30	709.82	132.97	24.62	65.12	0.00	0.00	30.19	0.38	0.00	0.00	0.29	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.13 Dhaulpur

In this section, the water balance results of the WEAP simulation of the Dhaulpur district are presented. The Dhaulpur district is located in the East of the state of Rajasthan, bordered by the Bharatpur and Karauli districts (Figure C-5.25). The district shares its Southern border with the Madhya Pradesh State and its Eastern border with the state of Uttar Pradesh. The Dhaulpur district spreads over three river basins. Most of the district lies in the Parbati River Basin and along the Chambal River the Chambal River Basin, the North of the state lies in the Gambhir River Basin.

A special feature in the WEAP representation of the Dhaulpur district is the presence of two intakes on the Chambal River, located in Dhaulpur block and supplying water to the Dhaulpur town and to the power plant located there.

Figure C-5.25 The Dhaulpur district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Dhaulpur district is that there is no non-agricultural unmet demand and there is no excess water. Other main results are presented in the following paragraphs. Table C-5.13 shows the general water balance of Dhaulpur district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-13".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses (see Figure C-5.26).

Also, there is an ongoing project - Chambal Dhaulpur Bharatpur Water Supply Project - to supply water to 945 villages in Bharatpur district and 96 villages in Dhaulpur

district apart from urban towns of Dhaulpur (partial), Bharatpur, Kumher, Deeg, Nagar and Kaman. The estimated cost of the project is Rs. 477.99 Crores. This project will further strengthen the water supply scenario in Dhaulpur district.

Consultant has proposed to utilize the available surplus water in Lower Parbati Basin area for artificial/enhanced groundwater recharge that includes 15 Nos. percolation tanks and cross-stream structures. The estimated cost of the project is Rs. 4.61 Crores.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 45% and 92%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 21% and 29% considering full potential cultivable area and between 32% and 44% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

There is no unutilised groundwater outside CCA.

There is almost no unutilised groundwater inside CCA for a dependability level of 75% or 50%.

No excess water is stored above the dead storage in the major/medium dams of Dhaulpur district (Parbati, Ramsagar Dam and Urmila Sagar).

There are no spills for any dependability level.

Transfers of water between states, districts and blocks:

There is no export/import of water from/to the Dhaulpur district to other districts neither for non-agricultural uses nor for irrigation.

Inside of the Dhaulpur district, there is no transfer of water between the different blocks for non-agricultural uses.

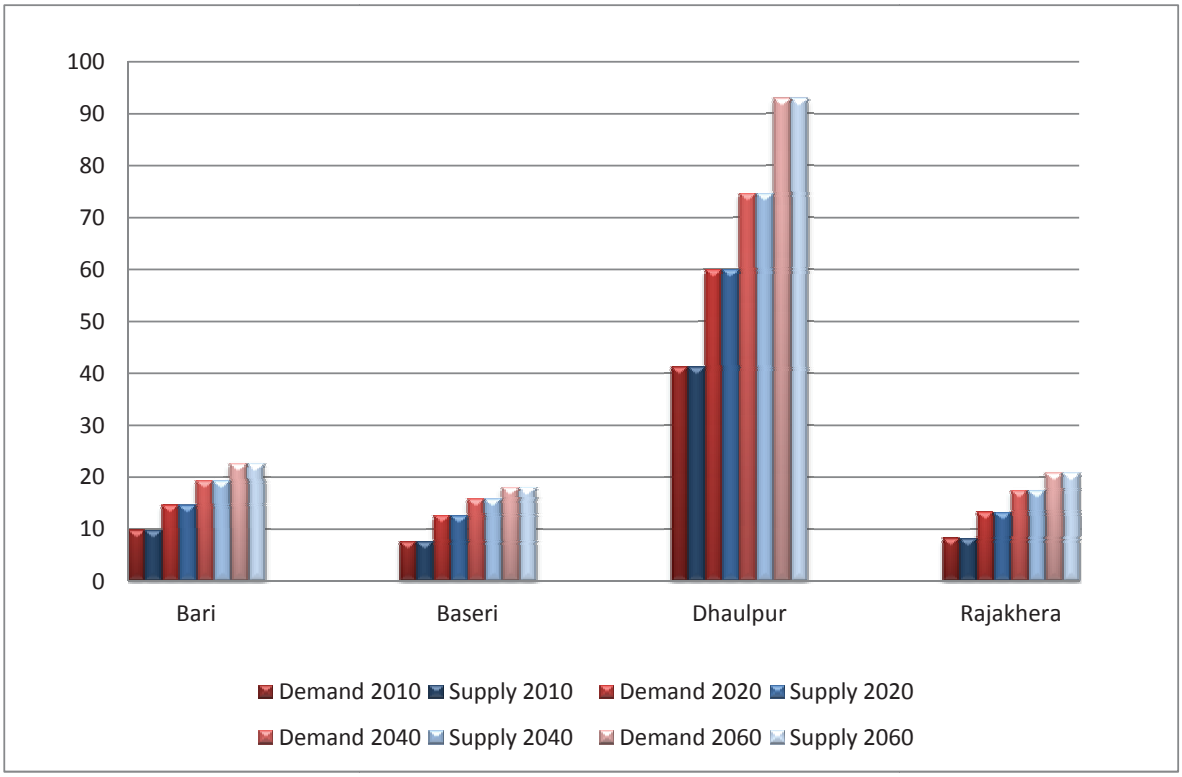
Table C-5.13 Dhaulpur District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Dhaulpur	2010	25%	192.19	254.91	67.04	98.05	390.01	67.04	81.69	113.77	16.58	3.26	140.47	24.28	0.00	0.00	0.00	0.00
		50%	114.39	254.91	67.04	98.70	392.57	67.04	61.09	112.94	11.98	1.03	99.92	15.29	0.00	0.00	0.00	0.00
		75%	80.00	254.91	67.04	99.53	395.86	67.04	51.41	111.55	11.78	0.16	80.63	12.34	0.00	0.00	0.00	0.00
		90%	51.50	254.91	67.04	99.88	397.29	67.04	44.74	109.45	9.84	0.02	67.13	8.20	0.00	0.00	0.00	0.00
	2020	25%	203.92	254.91	100.72	98.05	390.01	100.72	90.01	110.39	15.75	16.43	99.92	25.62	0.00	0.00	0.00	0.00
		50%	126.12	254.91	100.72	98.70	392.57	100.72	70.13	109.01	10.30	1.14	74.47	15.26	0.00	0.00	0.00	0.00
		75%	91.73	254.91	100.72	99.53	395.86	100.72	55.88	107.33	10.12	0.18	60.27	12.13	0.00	0.00	0.00	0.00
		90%	63.23	254.91	100.72	99.88	397.29	100.72	47.36	104.92	5.54	0.10	51.52	7.97	0.00	0.00	0.00	0.00
	2040	25%	212.56	254.91	127.47	98.05	390.01	127.47	89.96	99.69	12.88	16.26	96.34	24.87	0.00	0.00	0.00	0.00
		50%	134.76	254.91	127.47	98.70	392.57	127.47	70.59	97.63	7.08	1.00	71.14	14.76	0.00	0.00	0.00	0.00
		75%	100.37	254.91	127.47	99.53	395.86	127.47	56.47	95.93	6.99	0.10	57.06	11.26	0.00	0.00	0.00	0.00
		90%	71.87	254.91	127.47	99.88	397.29	127.47	47.63	93.14	3.14	0.10	47.94	7.36	0.00	0.00	0.00	0.00
	2060	25%	224.55	254.91	154.64	98.05	390.01	154.64	90.05	90.38	10.14	16.82	93.58	23.85	0.00	0.00	0.00	0.00
		50%	146.75	254.91	154.64	98.70	392.57	154.64	71.37	87.90	4.76	0.71	68.50	13.77	0.00	0.00	0.00	0.00
		75%	112.36	254.91	154.64	99.53	395.86	154.64	57.22	85.81	4.54	0.10	54.39	10.57	0.00	0.00	0.00	0.00
		90%	83.86	254.91	154.64	99.88	397.29	154.64	47.93	82.79	1.84	0.10	44.78	6.69	0.00	0.00	0.00	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.26 Dhaulpur District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-13.2

5.14 Dungarpur

In this section, the water balance results of the WEAP simulation of the Dungarpur district are presented. The Dungarpur district is located in the South of the state of Rajasthan, bordered by the Banswara, Pratapgarh and Udaipur districts (Figure C-5.27). The district shares its western border with the Gujarat State. The Dungarpur district spreads over two river basins. Most of the district lies in the Mahi River Basin and the west of the state lies in the Sabarmati River Basin.

A special feature of the Dungarpur district is that there is a committed volume of water for rural demand in each of the five blocks of the districts and also for the Dungarpur and Sagwara Municipality towns. The committed volumes are from the Som Kamla Amba dam or from minor structures. Som Kamla Amba is the only major dam in the district (and there are no medium dams). It is located on the border of the Udaipur and the Dungarpur districts.

In addition, there an import of water from the Mahi Bajaj Sagar located in the Banswara district to the Aspur block for irrigation.

Figure C-5.27 The Dungarpur district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Dungarpur district is that there is no non-agricultural unmet demand and there are surplus of water. For a dependability level of 75% there is about 30 Mm^3/yr of unutilised groundwater and 11 Mm^3/yr of excess water above the dead storage of the Som Kamla Amba. For a dependability level of 50% there is also about 120 Mm^3/yr of spills from this same dam. Other main results are presented in the following paragraphs. Table C-5.14 shows the general water balance of Dungarpur district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-14".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.28).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 33% and 100%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 4% and 7% considering full potential cultivable area and between 33% and 57% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

There is an excess of surface water and unutilised groundwater for a dependability level of 50% and 75%.

There is an excess of surface water above the dead storage of the Som Kamla Amba, which varies between 9 Mm^3/yr and 24 Mm^3/yr for a dependability level of 50% and between 0 Mm^3/yr and 9 Mm^3/yr for a dependability level of 75%.

There is a volume of spills of about 115-122 Mm^3/yr at the Som Kamla Amba dam for a dependability level of 50%. There are no spills for a dependability level of 75%.

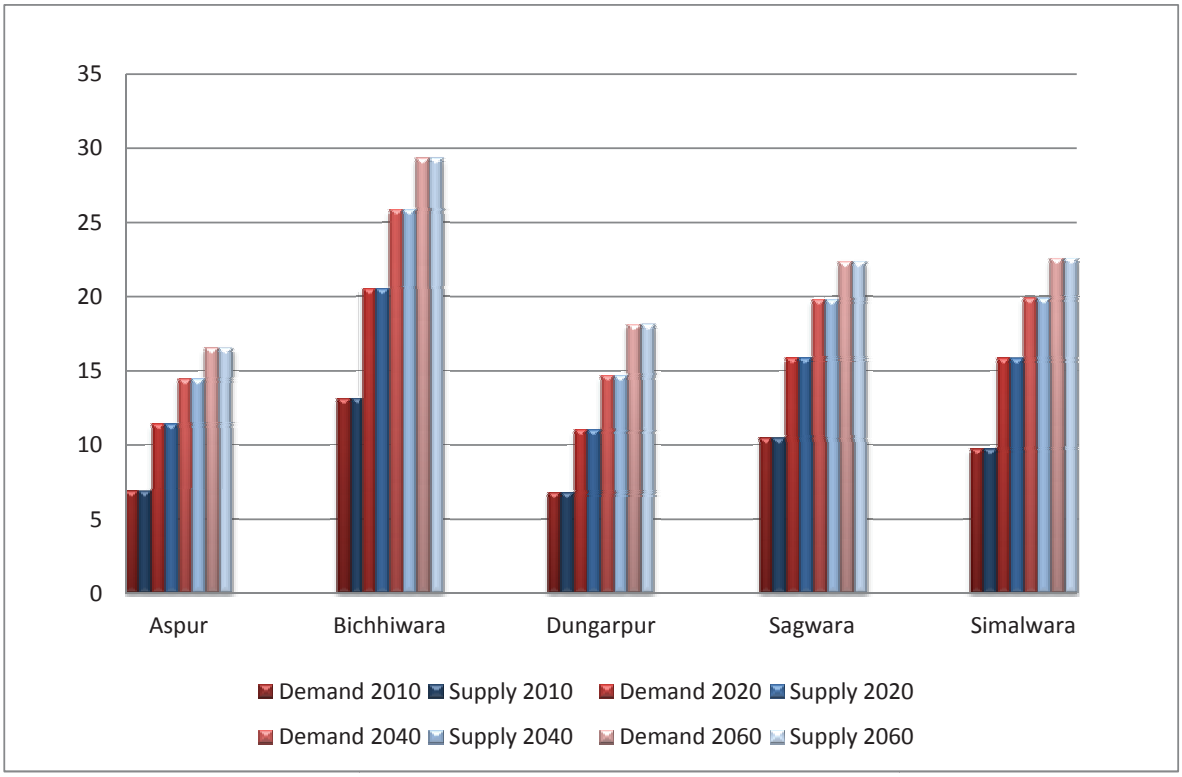
There is an unutilised groundwater inside CCA, mainly located in the CCA of the Som Kamla Amba dam. The volume unutilised in the CCA of this dam is about 30 Mm^3/yr for a dependability level of 25%, 50% and 75% (but for a dependability level of 90% all the water is utilised).

Transfers of water between states, districts and blocks:

There is no export/import of water from/to the Dhaulpur district to other districts for non-agricultural uses. There is only an import from the Banswara district for irrigation in the command area of the Mahi Bajaj Sagar dam.

Inside of the Dungarpur district, there is a transfer from the Aspur block to the Dungarpur and Sagwara blocks via the Som Kamla Amba dam for domestic demand in rural areas.

Figure C-5.28 Dungarpur District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-14.2

Table C-5.14 Dungarpur District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Dungarpur	2010	25%	1603.29	140.68	47.07	143.32	790.62	47.07	143.26	55.10	79.83	39.09	218.51	68.28	1123.92	0.00	31.09	0.00
		50%	706.19	140.68	47.07	143.72	792.82	47.07	143.62	54.96	68.07	39.01	218.87	62.98	223.13	0.00	10.82	0.00
		75%	390.13	140.68	47.07	144.68	798.10	47.07	135.62	52.65	26.46	29.64	200.30	48.14	0.00	0.00	9.07	0.00
		90%	103.58	140.68	47.07	145.19	800.96	47.07	52.08	51.03	10.21	0.00	65.61	21.13	0.00	0.00	2.87	0.00
	2020	25%	1601.92	140.68	74.72	143.32	790.62	74.71	143.32	58.35	120.89	41.12	153.84	68.45	1113.55	0.00	31.63	0.00
		50%	706.19	140.68	74.72	143.72	792.82	74.71	143.72	58.19	105.45	40.90	154.06	63.49	216.34	0.00	9.99	0.00
		75%	390.13	140.68	74.72	144.68	798.10	74.71	140.29	54.70	40.49	32.56	146.15	49.33	0.00	0.00	7.43	0.00
		90%	103.58	140.68	74.72	145.19	800.96	74.71	48.39	52.01	7.05	0.00	43.98	19.73	0.00	0.00	1.61	0.00
	2040	25%	1599.18	140.68	94.78	143.32	790.62	94.78	143.32	57.00	104.87	40.91	153.29	65.34	1114.42	0.00	34.06	0.00
		50%	706.19	140.68	94.78	143.72	792.82	94.78	143.72	56.14	88.32	40.69	153.28	60.76	218.86	0.00	9.67	0.00
		75%	390.13	140.68	94.78	144.68	798.10	94.78	134.81	52.72	34.92	32.02	140.28	48.28	0.00	0.00	6.99	0.00
		90%	103.58	140.68	94.78	145.19	800.96	94.78	47.47	41.92	2.94	0.00	39.81	18.57	0.00	0.00	1.22	0.00
	2060	25%	1596.44	140.68	108.96	143.32	790.62	108.96	143.32	55.08	91.48	40.35	152.38	66.58	1114.94	0.00	35.96	0.00
		50%	706.19	140.68	108.96	143.72	792.82	108.96	143.72	53.85	74.11	40.05	152.20	62.30	220.41	0.00	8.73	0.00
		75%	390.13	140.68	108.96	144.68	798.10	108.96	130.49	50.75	29.47	32.02	135.67	49.28	0.00	0.00	5.83	0.00
		90%	103.58	140.68	108.96	145.19	800.96	108.96	47.34	34.14	0.00	0.00	37.13	16.72	0.00	0.00	0.02	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.15 Ganganagar

In this section, the water balance results of the WEAP simulation of the Ganganagar district are presented. The Ganganagar district is located in the North of the state of Rajasthan, bordered by the Hanumangarh and Bikaner districts (Figure C-5.29). The district shares a border with the Punjab State and with Pakistan. The Ganganagar district spreads over two basins. Most of the district lies outside any river basin in the arid region of the state defined as the "Outside Basin" and the centre of the district lies in the Ghaggar Basin.

The main special features of the Ganganagar district are presented in the following paragraphs.

The Ganganagar district is one of the districts that have no major/medium dams and imports water from outside of the Rajasthan State. It imports water both for irrigation and for non-agricultural uses, via the following canals: IGNP Stage I, Gang and Bhakhra.

There is no potential agricultural demand outside the command area of surface water structures in all the blocks except in the Suratgarh block, given that they are entirely under the command area of one or more of the import canals mentioned above.

There is a power plant demand in the Suratgarh block for the Suratgarh Super TPS Stage I to IV (Unit-1 to 6), Suratgarh TPP Stage-V Unit 7&8, Stage-VI Unit 9&10.

There is no specific wildlife demand in the entire district.

Figure C-5.29 The Ganganagar district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Ganganagar district is that there is no non-agricultural unmet demand and there is an unutilised volume of groundwater in future planning stages of about 10 Mm^3/yr and 80 Mm^3/yr for a dependability level of 75% and 50% respectively. Other main results are presented in the following paragraphs. Table C-5.15 shows the general water balance of Ganganagar district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-15".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.30).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 54% and 100%, depending on the planning stage and dependability level. There are negligible fresh groundwater areas outside the CCA of surface water irrigation projects.

Excess of water:

There is about 12-14 Mm^3/yr of unutilised groundwater inside CCA for a dependability level of 75% in future planning stages, located in the Anupgarh block, under the command area of the Gang canal. For a dependability level of 50% in future planning stages there is a total volume of unutilised groundwater of 74-83 Mm^3/yr in all the district.

There is no unutilised groundwater outside CCA.

There is no significant excess of surface water inside CCA of the Ganganagar district for a dependability level of 75% or 50%.

Transfers of water between states, districts and blocks:

There is a total net imported water from the canals varying between 1320 Mm^3/yr and 2340 Mm^3/yr depending on the dependability level and planning stage, out of which 165 Mm^3/yr to 375 Mm^3/yr is supplied for non-agricultural uses. The main demand from canals to non-agricultural uses comes from the power plant in the Suratgarh block (107 Mm^3/yr to 277 Mm^3/yr) and from the Ganganagar town in the Ganganagar block (18 Mm^3/yr to 28 Mm^3/yr).

There is no export of water from the Ganganagar district to other districts.

There are no transfers between the different blocks of the Ganganagar district.

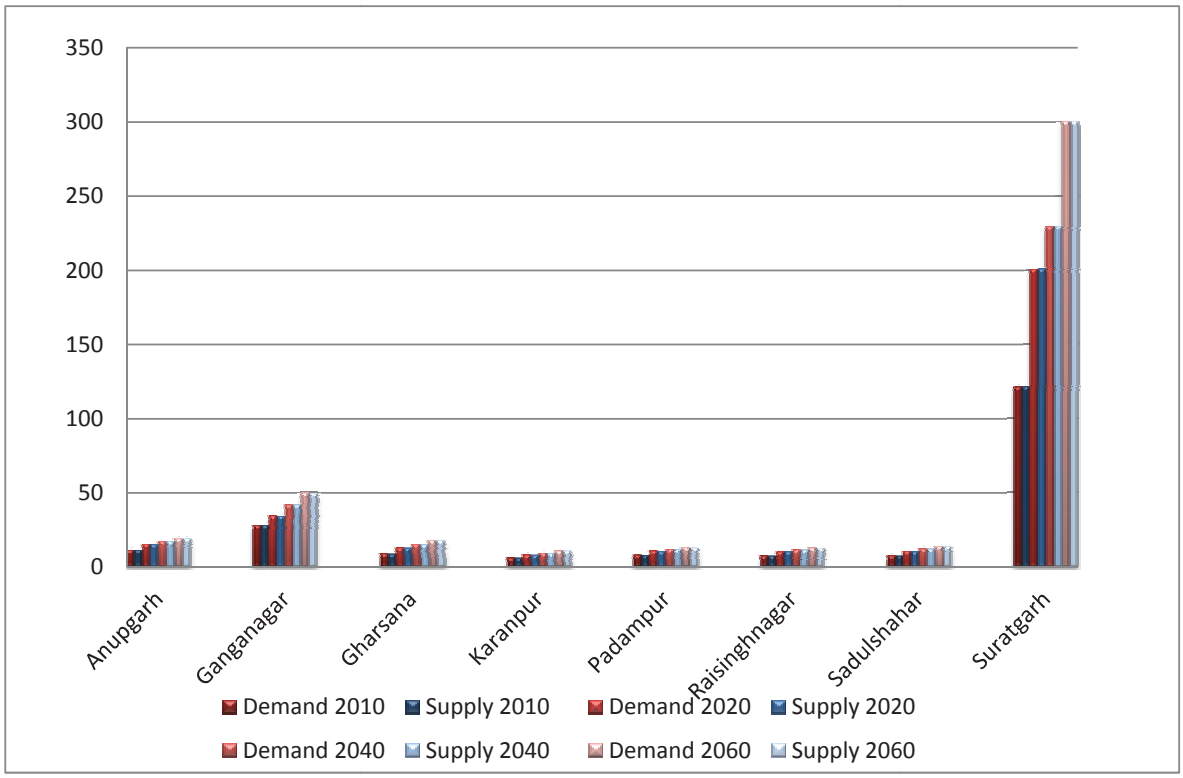
Table C-5.15 Ganganagar District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Ganganagar	2010	25%	25.67	290.23	199.21	1884.92	161.88	199.21	1731.02	2.67	12.74	87.01	2668.19	6.21	0.00	0.00	4391.15	0.00
		50%	12.05	290.23	199.21	2027.42	174.11	199.21	1702.73	2.64	3.06	19.42	2563.00	3.60	0.00	0.00	4191.38	0.00
		75%	2.66	290.23	199.21	2288.11	196.50	199.21	1460.88	0.54	0.00	1.51	2165.08	1.19	0.00	0.00	3535.52	0.00
		90%	1.05	290.23	199.21	2465.72	211.75	199.21	1334.59	0.36	0.00	0.00	1963.04	0.00	0.00	0.00	3205.91	0.00
	2020	25%	25.67	290.23	302.97	2018.50	161.88	302.97	2015.12	2.82	12.60	197.38	1798.84	6.20	0.00	0.00	4020.03	0.00
		50%	12.05	290.23	302.97	2171.10	174.11	302.97	2055.87	2.79	2.92	83.10	1797.92	3.60	0.00	0.00	3946.88	0.00
		75%	2.66	290.23	302.97	2450.27	196.50	302.97	1908.38	0.43	0.00	13.69	1627.83	1.19	0.00	0.00	3561.60	0.00
		90%	1.05	290.23	302.97	2640.47	211.75	302.97	1747.92	0.23	0.00	1.67	1470.50	0.00	0.00	0.00	3232.01	0.00
	2040	25%	25.67	290.23	348.78	2018.50	161.88	348.78	2013.72	2.71	12.32	184.63	1795.67	6.17	0.00	0.00	4048.11	0.00
		50%	12.05	290.23	348.78	2171.10	174.11	348.78	2047.91	2.68	2.62	78.92	1792.62	3.60	0.00	0.00	3974.85	0.00
		75%	2.66	290.23	348.78	2450.27	196.50	348.78	1882.39	0.16	0.00	12.63	1606.26	1.11	0.00	0.00	3558.43	0.00
		90%	1.05	290.23	348.78	2640.47	211.75	348.78	1721.97	0.00	0.00	0.62	1449.05	0.00	0.00	0.00	3229.12	0.00
	2060	25%	25.67	290.23	437.38	2018.50	161.88	437.38	2012.52	2.54	12.02	169.65	1793.39	6.16	0.00	0.00	4117.76	0.00
		50%	12.05	290.23	437.38	2171.10	174.11	437.38	2039.26	2.51	2.31	74.38	1787.44	3.60	0.00	0.00	4044.61	0.00
		75%	2.66	290.23	437.38	2450.27	196.50	437.38	1846.72	0.00	0.00	11.62	1576.35	1.02	0.00	0.00	3580.21	0.00
		90%	1.05	290.23	437.38	2640.47	211.75	437.38	1685.91	0.00	0.00	0.00	1419.15	0.00	0.00	0.00	3251.16	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.30 Ganganagar District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-15.2

5.16 Hanumangarh

In this section, the water balance results of the WEAP simulation of the Hanumangarh district are presented. The Hanumangarh district is located in the North of the state of Rajasthan, bordered by the Ganganagar, Bikaner and Churu districts (Figure C-5.31). The district shares a border with the Punjab State and with the Haryana State. The Hanumangarh district spreads over two basins. Most of the district lies outside any river basin in the arid region of the state defined in the map as the "Outside Basin" and the centre of the district lies in the Ghaggar Basin.

The main special features of the Hanumangarh district are presented in the following paragraphs.

The Hanumangarh district is one of the districts that have no major/medium dams and imports water from outside of the Rajasthan State. It imports water via the IGNP Stage I, IGNP Stage II and Bhakhra canals both for irrigation and for non-agricultural uses, and from the Nohar-Sidhmukh and Gang canals for agriculture only.

The potential agricultural demand outside the command area of surface water structures in the district is small, given that the district is mainly under the command area of one or more of the import canals mentioned above.

There is almost no groundwater outside of the command area of surface structures available for supply (< 1 Mm^3/yr).

There is no specific wildlife demand in all the district, except a very little demand in the Hanumangarh block (< 0.005 Mm^3/yr).

Figure C-5.31 The Hanumangarh district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Hanumangarh district is that there is no non-agricultural unmet demand and there is about 30 Mm^3/yr of unutilised groundwater for a dependability level 50%, mainly located in the command area of the Bhakhra canal. Other main results are presented in the following paragraphs. Table C-5.16 shows the general water balance of Hanumangarh district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-16".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.32).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 48% and 100%, depending on the planning stage and dependability level. There are negligible fresh groundwater areas outside the CCA of surface water irrigation projects.

Excess of water:

There is no unutilised groundwater inside CCA for a dependability level of 75% although in future planning stages there is about 25-34 Mm^3/yr of unutilised groundwater for a dependability level 50%, mainly located in the command area of the Bhakhra canal.

There is no unutilised groundwater outside CCA.

There is no excess of surface water inside CCA of the Hanumangarh district for a dependability of 75%, although for a dependability of 50% there is about 15 Mm^3/yr of excess surface water located in the minor dams of the Pilibanga block.

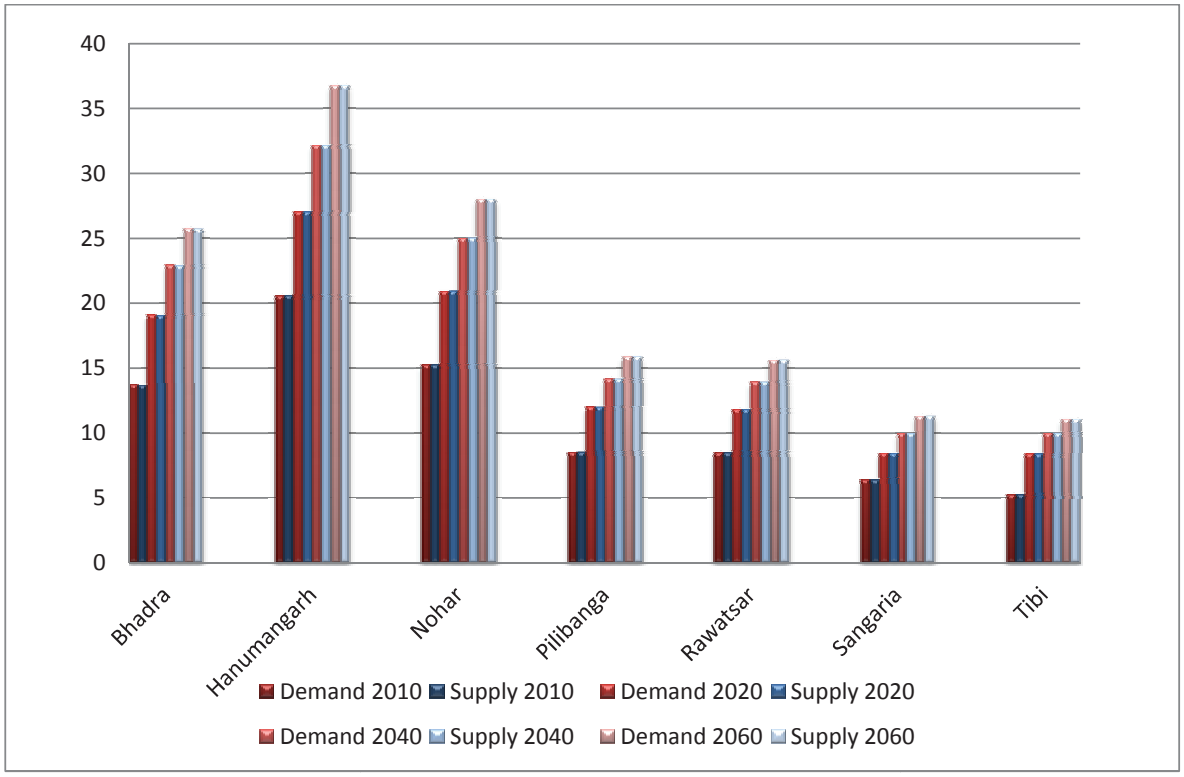
Transfers of water between states, districts and blocks:

There is a total net imported water from the canals varying between 1035 Mm^3/yr and 1840 Mm^3/yr depending on the dependability level and planning stage, out of which 50 Mm^3/yr to 100 Mm^3/yr is supplied for non-agricultural uses.

There is no export of water from the Hanumangarh district to other districts.

There are no transfers between the different blocks of the Hanumangarh district.

Figure C-5.32 Hanumangarh District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-16.2

Table C-5.16 Hanumangarh District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Hanumangarh	2010	25%	68.57	197.90	78.26	1722.79	170.33	78.26	1565.22	0.43	39.60	7.16	2068.04	16.20	0.00	0.00	3508.45	0.00
		50%	32.20	197.90	78.26	1869.29	184.81	78.06	1466.31	0.43	14.64	0.00	1916.19	10.20	0.00	0.00	3255.72	0.00
		75%	7.10	197.90	78.26	2127.66	210.36	78.13	1261.79	0.43	0.00	0.00	1620.47	4.54	0.00	0.00	2760.37	0.00
		90%	2.81	197.90	78.26	2307.66	228.15	78.21	1106.26	0.43	0.00	0.00	1405.59	1.90	0.00	0.00	2391.68	0.00
	2020	25%	68.57	197.90	107.79	1770.12	170.33	107.78	1767.90	0.46	40.31	168.34	1527.61	16.56	0.00	0.00	3362.51	0.00
		50%	32.20	197.90	107.79	1920.64	184.81	107.78	1754.83	0.46	14.91	34.51	1459.84	10.28	0.00	0.00	3152.52	0.00
		75%	7.10	197.90	107.79	2186.10	210.36	107.65	1574.54	0.47	0.00	0.00	1285.35	4.53	0.00	0.00	2767.54	0.00
		90%	2.81	197.90	107.79	2371.05	228.15	107.73	1373.08	0.47	0.00	0.00	1110.98	1.87	0.00	0.00	2393.41	0.00
	2040	25%	68.57	197.90	128.20	1770.12	170.33	128.19	1762.71	0.46	40.07	158.65	1521.04	16.41	0.00	0.00	3361.08	0.00
		50%	32.20	197.90	128.20	1920.64	184.81	128.19	1743.55	0.46	14.70	28.26	1449.01	10.27	0.00	0.00	3144.36	0.00
		75%	7.10	197.90	128.20	2186.10	210.36	128.06	1550.97	0.46	0.00	0.00	1265.56	4.51	0.00	0.00	2744.57	0.00
		90%	2.81	197.90	128.20	2371.05	228.15	128.14	1349.30	0.46	0.00	0.00	1090.97	1.81	0.00	0.00	2369.97	0.00
	2060	25%	68.57	197.90	144.42	1770.12	170.33	144.42	1754.16	0.46	39.87	150.25	1511.39	16.24	0.00	0.00	3350.33	0.00
		50%	32.20	197.90	144.42	1920.64	184.81	144.42	1730.96	0.46	14.50	25.01	1437.90	10.19	0.00	0.00	3133.34	0.00
		75%	7.10	197.90	144.42	2186.10	210.36	144.29	1524.46	0.47	0.00	0.00	1242.38	4.37	0.00	0.00	2710.96	0.00
		90%	2.81	197.90	144.42	2371.05	228.15	144.36	1322.57	0.47	0.00	0.00	1067.62	1.75	0.00	0.00	2336.06	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.17 Jaipur

In this section, the main features of the Jaipur district and the water balance results of the WEAP simulation are presented.

The district is bordered by the Ajmer, Alwar, Dausa, Nagaur, Sikar and Tonk districts (Figure C-5.33). Small portion of its northern border is shared with the Haryana State. It is divided into 13 blocks: Amber, Bassi, Chaksu, Dudu, Govindgarh, Jamwa Ramgarh, Jhotwara, Kotputli, Phagi, Sambhar, Sanganer, Shahpura and Viratnagar.

The Jaipur district spreads over four river basins. In the North the Sabi River Basin, towards the West the Shekhawati River Basin, towards the East the Banganga River Basin and in the South the Banas River Basin.

The more important feature of the Jaipur district is that it comprises the capital of the Rajasthan State, Jaipur City, which is located in the Jhotwara block. As a consequence, it is the district with the highest non-agricultural water demand: 445 Mm^3/yr at present and up to 1090 Mm^3/yr estimated for planning stage 2060. The water demand of Jaipur City represents about 6% of the total non-agricultural demand, 10% of the total domestic demand and 20% of the total urban demand in all the Rajasthan State.

The Jaipur district has also the particularity to be one of the three districts that import water from the Bisalpur dam, located in the Tonk district (the two other districts are Ajmer and Bhilwara). In Jaipur district, the Bisalpur dam supplies water to Jaipur City, Phulera and Sambhar towns. It is also foreseen that it will supply water to Chaksu town in future planning stages. The committed volume of water from Bisalpur for the entire district is 314.30 Mm^3/yr, which is the upper limit of supply system. This volume is approximately equivalent to the demand of Jaipur City in 2020.

The annual amount of groundwater available for supply and assuming a sustainable policy (utilization of the annual recharge of the aquifers and not of all the groundwater) in Jaipur district is estimated at about 660 Mm^3/yr.

The surface water resource in the district comprises 2 major dams: Chhaparwada and Kalakh Sagar. It also comprises 5 medium dams - Buchara, Chhittoli, Hingoniya, Kharad, Sainthal Sagar. There is another dam, called Ramgarh, that was historically the surface water source for Jaipur City but its availability of water has been decreasing during the last 20 years. There are also minor dams in the different blocks, except in the Govindgarh and Jhotwara blocks. A small minor dam (Pach Pahari) is on-going in the Viratnagar block.

There are 3 blocks with no specific wildlife demand: Chaksu, Dudu and Sambhar.

Figure C-5.33 The Jaipur district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Jaipur district is that the present shortage for Jaipur City will keep increasing to reach a maximum of 240 Mm^3/yr, 370 Mm^3/yr and 450 Mm^3/yr of unmet demand, in 2020, 2040 and 2060 respectively for a dependability level of 90%. At planning stage 2040 and 2060, shortages will even occur for a dependability level of 25% reaching an amount of 35 Mm^3/yr and 120 Mm^3/yr respectively. The maximum total unmet demand for non-agricultural uses in Jaipur district is about 680 Mm^3/yr. Other main results are presented in the following paragraphs. Table C-5.17 shows the general water balance of Jaipur district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-17".

Satisfaction of the non-agricultural demand:

Out of the 13 blocks of the Jaipur district, 11 blocks have no unmet demand for non-agricultural uses, for all planning stages and dependability levels (see Figure C-5.34).

The main block suffering from shortages is the Jhotwara block, where Jaipur City is located. According to the WEAP simulation, there are shortages for all dependability levels and in all planning stages. The maximum deficit for non-agricultural uses in this block is 304 Mm^3/yr, 469 Mm^3/yr and 608 Mm^3/yr in 2020, 2040 and 2060 respectively.

The Sanganer block will also have shortages for future. The shortages occur in all future planning stages and affect exclusively the industrial sector. Industrial unmet demand reaches approximately 8 Mm^3/yr, 35 Mm^3/yr and 74 Mm^3/yr in 2020, 2040 and 2060 respectively.

Therefore, the maximum total unmet demand for non-agricultural uses in Jaipur district is about 312 Mm^3/yr, 504 Mm^3/yr and 682 Mm^3/yr in 2020, 2040 and 2060 respectively.

The shortages in domestic water supply to Jaipur city of 240 Mm^3/yr, 370 Mm^3/yr and 450 Mm^3/yr in 2020, 2040 and 2060, respectively are with consideration that there will be 30% losses in urban water supply. If it is considered that with proper management the losses can be reduced to 20% in 2020 and 10% in 2040 and 2060, the unmet drinking water demand of Jaipur city at 90% dependability will reduce to 198 Mm^3/yr, 269 Mm^3/yr and 333 Mm^3/yr in 2020, 2040 and 2060, respectively.

There is a proposed project, Isarda Dam, on Banas River downstream of Bisalpur dam to cater for future water supply to Jaipur city. The proposed gross storage capacity of the dam is 305.00 Mm^3 and the estimated cost is Rs. 306.00 Crores. There is another proposed project aimed at transferring of surplus water from Mej River (Chambal basin) near Lakheri in Bundi district to the Ramgarh dam in Jaipur district and proposed Isarda Dam in Tonk district and other enroute dams. The proposal envisages total pumping of 317.59 Mm^3/yr of flood water from Mej River during the monsoon period out of which 28.00 Mm^3/yr is for Ramgarh Dam, 173.67 Mm^3/yr is for proposed Isarda Dam and remaining for enroute dams. The pumped water would be conveyed to the Ramgarh dam (gross storage capacity 74.99 Mm^3) through a lift canal, which would also meet the enroute requirement of Bundi, Tonk and Jaipur district. The estimated cost of project is Rs. 2137.86 Crores. Also, it is proposed to transfer 300.00 Mm^3/yr water from Anas River in Mahi Basin to Berach River in Banas Basin to augment the Bisalpur Dam. The project also includes augmentation of Jaisamand Dam (Udaipur), Rajsamand Dam (Rajsamand) and Meja Dam (Bhilwara). The total estimated cost of the project is Rs. 3681.30 Crores.

Hence, to meet the huge demand of Jaipur city in future, the above projects should be implemented on priority.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 16% and 76%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 7% and 12% considering full potential cultivable area and between 17% and 31% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

There is no excess of surface water or groundwater for a dependability level of 75% or 50%.

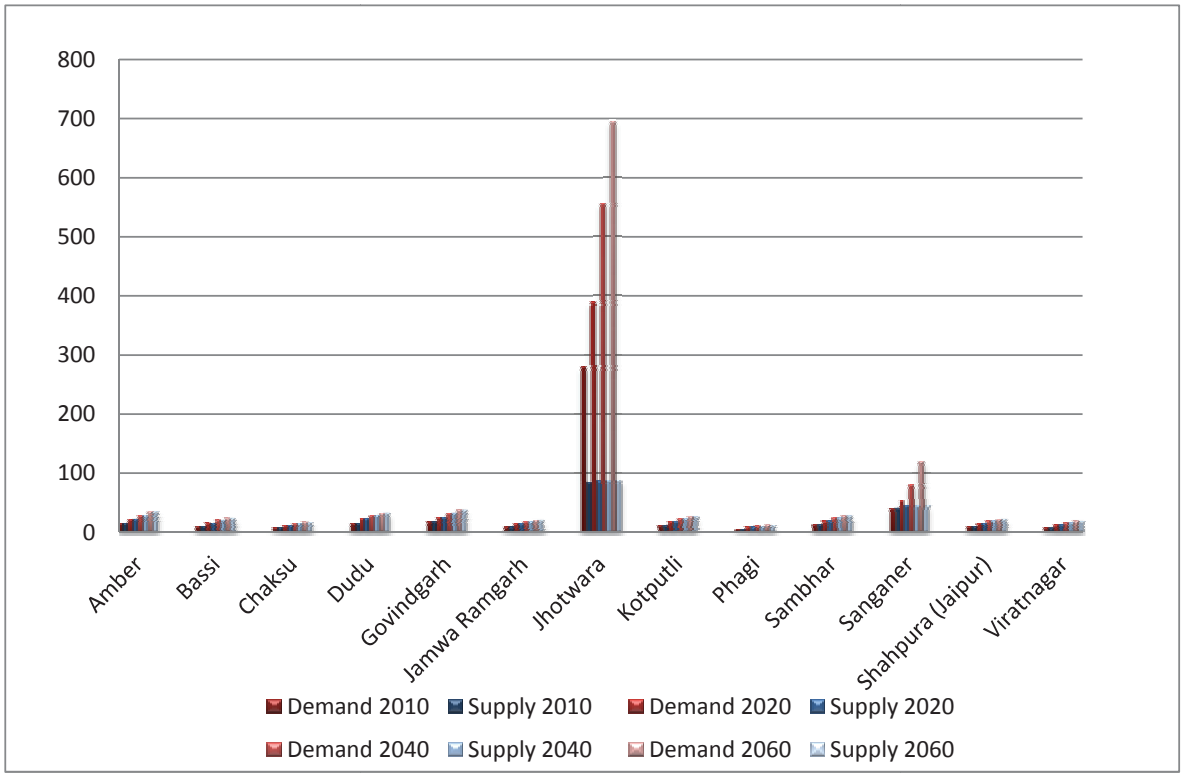
Transfers of water between states, districts and blocks:

There is a big import of water from the Bisalpur dam for domestic use, mainly in the Jaipur City but also a little in the Phulera and Sambhar towns and in the Chaksu town for future planning stages. The amount of imported water from the Bisalpur dam varies between 34 Mm^3/yr and 314 Mm^3/yr (maximum capacity of supply system) depending on the planning stage and dependability level.

There is no export from the Jaipur district to other districts for non-agricultural uses.

Inside of the Jaipur district, there is a transfer of water for domestic use from the Jamwa Ramgarh block to the Jhotwara block representing the supply from Ramgarh dam to Jaipur City. The amount varies between 0 and 56 Mm^3/yr depending on the dependability level.

Figure C-5.34 Jaipur District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-17.2

Table C-5.17 Jaipur District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Jaipur	2010	25%	689.64	657.77	444.47	186.52	2479.45	423.87	134.44	304.16	128.23	14.86	302.38	127.27	7.32	60.04	155.16	0.00
		50%	160.23	657.77	444.47	190.77	2535.88	422.01	57.64	297.27	4.47	0.00	178.65	45.32	0.00	2.36	189.72	0.00
		75%	37.26	657.77	444.47	199.01	2645.46	384.34	32.31	286.18	1.45	0.00	137.79	17.99	0.00	0.01	165.05	0.00
		90%	12.61	657.77	444.47	204.24	2714.97	248.59	31.77	283.44	0.66	0.00	135.66	4.55	0.01	0.00	34.30	0.00
	2020	25%	690.22	657.77	629.69	187.16	2478.82	579.81	141.95	278.80	147.48	22.12	219.67	134.85	7.35	61.20	245.23	0.00
		50%	160.54	657.77	629.69	191.41	2535.23	577.31	65.43	270.52	3.89	0.00	132.63	45.92	0.01	2.50	279.89	0.00
		75%	37.33	657.77	629.69	199.69	2644.78	460.75	35.03	255.84	1.45	0.00	97.88	17.67	0.00	0.01	173.53	0.00
		90%	12.63	657.77	629.69	204.93	2714.28	317.95	34.30	252.98	0.66	0.00	96.15	4.44	0.01	0.00	36.09	0.00
	2040	25%	688.54	657.77	874.29	187.16	2478.82	707.22	141.12	238.63	143.93	21.61	204.69	133.77	7.53	62.11	314.30	0.00
		50%	160.54	657.77	874.29	191.41	2535.23	669.90	64.37	228.88	2.77	0.01	118.29	45.61	0.00	2.79	314.30	0.00
		75%	37.33	657.77	874.29	199.69	2644.78	518.60	35.15	218.27	1.09	0.00	85.47	16.79	0.01	0.21	180.49	0.00
		90%	12.63	657.77	874.29	204.93	2714.28	369.99	34.30	215.05	0.66	0.00	83.50	4.18	0.01	0.00	37.29	0.00
	2060	25%	686.80	657.77	1089.25	187.16	2478.82	744.88	139.86	214.11	141.00	20.93	194.32	132.42	8.23	63.11	314.30	0.00
		50%	160.54	657.77	1089.25	191.41	2535.23	707.23	63.14	202.90	1.84	0.02	108.64	44.72	0.00	4.12	314.30	0.00
		75%	37.33	657.77	1089.25	199.69	2644.78	558.87	35.28	190.99	0.83	0.00	76.50	15.77	0.01	0.49	183.64	0.00
		90%	12.63	657.77	1089.25	204.93	2714.28	407.37	34.30	187.40	0.64	0.00	74.29	3.94	0.01	0.04	37.58	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.18 Jaisalmer

In this section, the water balance results of the WEAP simulation of the Jaisalmer district are presented. The Jaisalmer district is located in the west of the state of Rajasthan and is bordered by the Barmer, Bikaner and Jodhpur districts (Figure C-5.35). The Jaisalmer district shares its western border with Pakistan. The Jaisalmer district is mainly outside any river basin in the arid region of the state defined as the "Outside Basin" its east corner is in the Luni River Basin.

The main special features of the Jaisalmer district are presented in the following paragraphs.

The Jaisalmer district is one of the districts that have no major/medium dams and imports water from outside of the Rajasthan State. It imports water via the IGNP Stage II canal. The imported water is used for irrigation (mainly is Jaisalmer and Sam blocks) and for supply to a power plant is Sam block and for supply to the Jaisalmer towns.

There is a power plant in the Sam block: "Ramgarh Gas TPS, TPS (Extn.), TPP Stage-III, Stage-IV".

There are no minor dams in the Jaisalmer and Sam blocks.

There is no specific wildlife demand at all in the entire district, except a very little demand in the Jaisalmer block (0.001 Mm^3/yr).

Figure C-5.35 The Jaisalmer district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Jaisalmer district is that there is some non-agricultural unmet demand starting from planning stage 2040, which reaches an amount of 11 Mm^3/yr for a dependability level of 90% in 2060 and which is mainly located in the Sankra block.

Other main results are presented in the following paragraphs. Table C-5.18 shows the general water balance of Jaisalmer district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-18".

Satisfaction of the non-agricultural demand:

The non-agricultural demand is satisfied at present but there is some non-agricultural unmet demand starting from planning stage 2040 (see Figure C-5.36).

The non-agricultural satisfaction of the demand in each of the 3 blocks of the districts is as follow:

- the Sam block has no unmet demand for non-agricultural uses for any dependability level and planning stage
- the Jaisalmer block has a little unmet demand for livestock and industrial uses, for planning stage 2060 and dependability level 75% and 90%
- the Sankra block has an unmet demand for both domestic, livestock and industrial uses, for planning stages 2040 and 2060 ; the unmet demand reaches a maximum of 10 Mm^3/yr, out of which about 5 Mm^3/yr for domestic use.

These are two ongoing projects:

- Barmer Lift Canal Water Supply Project Phase-I for providing drinking water supply to Barmer city, 412 villages of Barmer and 161 villages of Jaisalmer district from Indira Gandhi Main canal; estimated cost Rs. 688.66 Crores
- Pokaran Phalsoond Balotra Lift Water Supply Project for providing drinking water to Pokaran (in Jaisalmer district), Balotra and Siwana towns and 580 villages of Barmer and Jaisalmer district from Indira Gandhi Main Canal; estimated cost Rs.1444.20 Crores.

The above shortages will be fulfilled after completion of these schemes.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 6% and 25%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA is <2% considering full potential cultivable area and between 7% and 37% considering the maximum area irrigated during past few years (1999-2010), depending on the planning stage and dependability level.

Excess of water:

There is no significant excess of surface water or groundwater for a dependability level of 75% and 50% (the total excess surface water of 26 Mm^3/yr for a dependability of 50% is distributed in the minor structures).

Transfers of water between states, districts and blocks:

There is a total net imported water from the canals varying between about90 Mm^3/yr and 400 Mm^3/yr depending on the dependability level and planning stage, out of which 10 Mm^3/yr to 50 Mm^3/yr are supplied for non-agricultural uses.

There is no export of water from the Jaisalmer district to other districts.

There are no transfers between the different blocks of the Jaisalmer district.

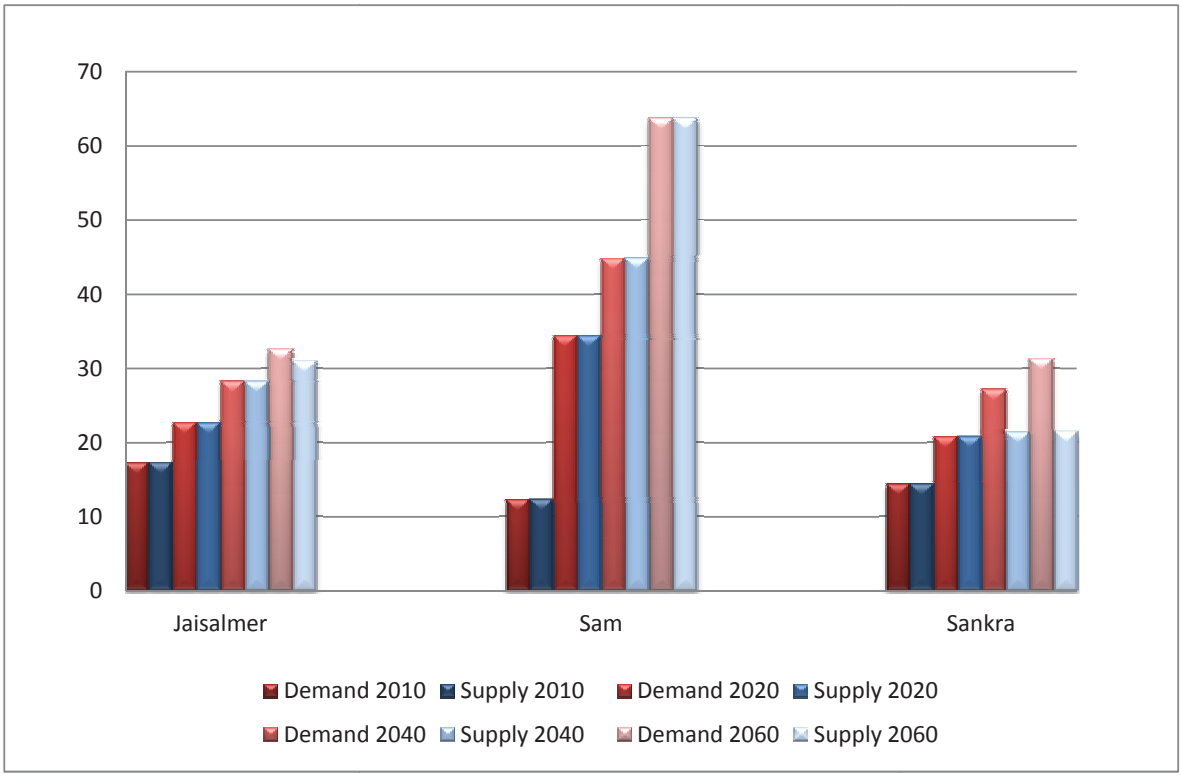
Table C-5.18 Jaisalmer District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Jaisalmer	2010	25%	162.39	72.34	44.22	1233.84	1695.14	44.22	133.67	31.16	88.80	0.04	216.48	59.22	0.00	0.00	338.86	0.00
		50%	76.26	72.34	44.22	1278.80	1756.91	44.22	107.57	30.99	26.94	0.04	175.58	35.20	0.00	0.00	271.93	0.00
		75%	16.81	72.34	44.22	1362.45	1871.83	44.22	93.76	24.70	0.00	0.04	151.30	11.81	0.00	0.00	236.68	0.00
		90%	6.66	72.34	44.22	1415.26	1944.38	44.22	87.32	23.76	0.00	0.04	140.83	2.99	0.00	0.00	220.16	0.00
	2020	25%	162.39	72.34	78.05	1403.50	1695.14	78.05	321.33	21.07	88.42	0.00	319.04	59.20	0.00	0.00	652.37	0.00
		50%	76.26	72.34	78.05	1454.64	1756.91	78.05	245.27	20.88	26.61	0.00	244.12	35.13	0.00	0.00	501.45	0.00
		75%	16.81	72.34	78.05	1549.79	1871.83	78.05	205.08	13.89	0.00	0.00	202.25	11.71	0.00	0.00	421.83	0.00
		90%	6.66	72.34	78.05	1609.86	1944.38	78.05	186.28	12.89	0.00	0.00	183.41	2.90	0.00	0.00	384.52	0.00
	2040	25%	162.39	72.34	100.48	1403.50	1695.14	98.93	346.34	11.01	87.61	0.00	340.32	59.16	0.00	0.00	708.65	0.00
		50%	76.26	72.34	100.48	1454.64	1756.91	98.81	270.12	11.00	25.91	0.00	265.36	34.98	0.00	0.00	557.58	0.00
		75%	16.81	72.34	100.48	1549.79	1871.83	95.26	226.60	9.40	0.00	0.00	224.08	11.47	0.00	0.00	477.66	0.00
		90%	6.66	72.34	100.48	1609.86	1944.38	94.74	207.25	9.21	0.00	0.00	205.28	2.72	0.00	0.00	440.21	0.00
	2060	25%	162.39	72.34	127.83	1403.50	1695.14	122.43	351.09	9.30	86.75	0.00	345.94	59.12	0.00	0.00	739.91	0.00
		50%	76.26	72.34	127.83	1454.64	1756.91	122.32	274.80	9.28	25.17	0.00	270.91	34.82	0.00	0.00	588.69	0.00
		75%	16.81	72.34	127.83	1549.79	1871.83	117.58	231.64	7.58	0.00	0.00	229.61	11.22	0.00	0.00	508.48	0.00
		90%	6.66	72.34	127.83	1609.86	1944.38	116.42	212.69	7.35	0.00	0.00	210.89	2.53	0.00	0.00	470.88	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.36 Jaisalmer District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-18.2

5.19 Jalore

In this section, the water balance results of the WEAP simulation of the Jalore district are presented. The district is located in the south-west of the state of Rajasthan is bordered by the Barmer, Pali and Sirohi districts (Figure C-5.37). The district shares its southern border with the Gujarat State. The Jalore district is mainly in the Luni River Basin, its southern area is in the Other Nallah River Basin.

The main special feature of the Jalore district is the import of water from the Narmada canal. Currently, the Sanchore block is the only block that is under the CCA of the Narmada canal and the CCA of the canal in this block is 41998 ha. In future planning stages, the total CCA of the Narmada canal in the Rajasthan State will increase to 210413 ha and will spread also on the Chitalwana block of the Jalore district and on the Chohtan and Dhorimanna blocks of the Barmer district. In addition, the present availability of water from the Narmada canal to the Rajasthan state should increase from 175 Mm^3/yr at present to 1026 Mm^3/yr in future planning stages and for dependability level of 25%. The ongoing Narmada Canal project will also provide drinking water to 1336 villages (697 villages of Jalore district and 639 villages of Barmer district) and 3 towns namely Jalore, Sanchore and Bhinmal of Jalore district.

Another special feature of the Jalore district is the on-going minor dam Akoli Irrig. Project. It is located in the Jalore block, has a live storage capacity of 1.61 Mm^3 and a CCA of 539 ha.

Figure C-5.37 The Jalore district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Jalore district is that there is no non-agricultural unmet demand and there is no excess water. Other main results are presented in the following paragraphs. Table C-5.19 shows the general water balance of Jalore district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-19".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.38).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 26% and 97%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 7% and 11% considering full potential cultivable area and between 20% and 32% considering the maximum area irrigated during past few years (1999-2010), depending on the planning stage and dependability level.

Excess of water:

There is no excess of surface water or groundwater for a dependability level of 75% or 50%.

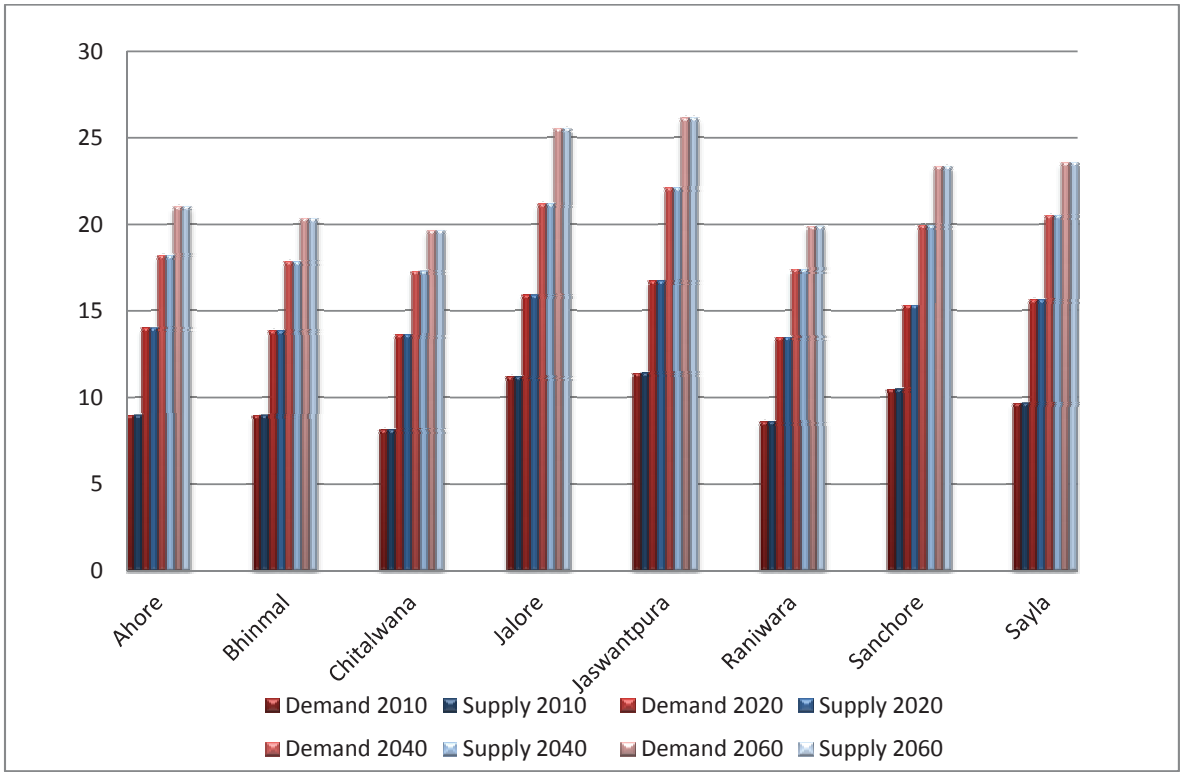
Transfers of water between states, districts and blocks:

There is a total gross import of water for irrigation varying between 74 Mm^3/yr and 175 Mm^3/yr at present and between 310 Mm^3/yr and 710 Mm^3/yr in future planning stages. This imported water comes from outside of the Rajasthan state via the Narmada canal.

There is no export of water from the Jalore district to other districts.

There is no transfer of water between the different blocks of the Jalore district.

Figure C-5.38 Jalore District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-19.2

Table C-5.19 Jalore District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Jalore	2010	25%	440.49	437.50	77.42	290.68	2115.22	77.42	256.23	232.15	70.40	12.30	333.84	78.24	18.40	0.00	201.00	0.00
		50%	134.91	437.50	77.42	298.90	2141.92	77.42	156.93	228.93	2.34	0.00	210.90	28.05	0.00	0.00	132.17	0.00
		75%	32.00	437.50	77.42	310.38	2186.66	77.42	104.52	224.32	0.00	0.00	147.32	17.85	0.00	0.00	101.94	0.00
		90%	3.76	437.50	77.42	318.04	2212.64	77.42	83.54	220.79	0.00	0.00	132.75	0.78	0.00	0.00	74.03	0.00
	2020	25%	442.28	437.43	118.62	640.92	1796.37	118.61	618.64	178.53	106.36	88.94	404.44	80.81	19.92	0.00	736.54	0.00
		50%	135.46	437.43	118.62	665.29	1819.04	118.61	479.82	175.63	1.53	0.00	296.45	28.35	0.00	0.00	527.51	0.00
		75%	32.13	437.43	118.62	697.91	1857.04	118.61	367.16	171.02	0.00	0.00	221.09	18.01	0.01	0.00	426.34	0.00
		90%	3.78	437.43	118.62	720.42	1879.11	118.61	284.38	167.48	0.00	0.00	179.63	0.71	0.01	0.00	309.62	0.00
	2040	25%	442.28	437.43	154.56	640.92	1796.37	154.56	613.21	157.01	102.68	84.54	392.01	80.36	30.91	0.00	735.57	0.00
		50%	135.46	437.43	154.56	665.29	1819.04	154.56	475.35	153.58	0.00	0.00	287.14	28.60	0.00	0.00	526.34	0.00
		75%	32.13	437.43	154.56	697.91	1857.04	154.56	363.67	148.05	0.00	0.00	212.27	17.34	0.00	0.00	426.34	0.00
		90%	3.78	437.43	154.56	720.42	1879.11	154.56	280.81	144.18	0.00	0.00	170.68	0.60	0.01	0.00	309.62	0.00
	2060	25%	442.28	437.43	179.53	640.92	1796.37	179.53	606.34	142.75	100.54	81.41	380.66	78.97	43.54	0.00	734.03	0.00
		50%	135.46	437.43	179.53	665.29	1819.04	179.53	466.85	139.08	0.00	0.00	276.08	28.34	6.80	0.00	523.79	0.00
		75%	32.13	437.43	179.53	697.91	1857.04	179.53	360.09	133.40	0.00	0.00	206.16	16.71	0.00	0.00	426.34	0.00
		90%	3.78	437.43	179.53	720.42	1879.11	179.53	276.48	129.85	0.00	0.00	164.46	0.50	0.00	0.00	309.62	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.20 Jhalawar

In this section, the water balance results of the WEAP simulation of the Jhalawar district are presented. The Jhalawar district is located in the South-East of Rajasthan, bordered by the Baran, Kota and Chittaurgarh districts (Figure C-5.39). The Jhalawar district also shares a border with the Haryana State. The Jhalawar district is entirely in the Chambal River Basin.

The main special features of the Jhalawar district are the following ones:

- There is a major on-going dam, Kalisindh Irrigation Project Phase1st, located in the Jhalrapatan block, with a gross storage capacity of 148 Mm^3 and a CCA of 14478 ha that also spreads on the Sangod block of the Kota district
- There are 5 on-going minor dams: Gulandi Minor Irrigation Project, Bhimni, Kanwara Minor Irrigation Project, Prithipurai Minor Irrigation Project and Rewa, whose associated data are summarized in Appendix C-6
- There is an import from the Rana Pratap Sagar dam, which is located in the Chittaurgarh district, to the Jhalrapatan block
- There is a diversion structure, Harish Chandra Sagar, located in the Jhalrapatan block; currently its inflow depends on the spills of four upstream dams – Piplad, Gagarin, Takli and Chauli - but in the future the Kalisindh dam will be located downstream of the Chauli dam and upstream of Harish Chandra Sagar; hence, this diversion has a different inflow for the current year and for future planning stages: the inflow for a dependability level of 25% is 1912 Mm^3/yr at present and 1667 Mm^3/yr in the future
- There is a power plant, "Kalisindh TPP, Unit 1&2, Unit 3&4", that does not exist yet but is planned for 2020, located in the Jhalrapatan block and which should be supplied by the ongoing Kalisindh dam.

Figure C-5.39 The Jhalawar district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Jhalawar district is that there is no significant non-agricultural unmet demand and there are important surplus of water for all dependability levels at the Harish Chandra Sagar diversion structure, located in the Jhalrapatan block. For a dependability level of 75% and 50% and in the future, there is an amount of unutilised surface water of 485 Mm^3/yr and 1030 Mm^3/yr respectively. Other main results are presented in the following paragraphs. Table C-5.20 shows the general water balance of Jhalawar district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-20".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no significant unmet demand for non-agricultural uses in any block (see Figure C-5.40) considering the completion of Kalisindh Project with an estimated cost of Rs. 1415.10 Crores.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 47% and 95%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 17% and 19% considering full potential cultivable area and between 30% and 34% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

There is a huge quantity of unutilised surface water at the Harish Chandra Sagar diversion structure of about 1030 Mm^3/yr, 485 Mm^3/yr and 315 Mm^3/yr (in future planning stages) for a dependability level of 50%, 75% and 90% respectively. This diversion structure is located in the Jhalrapatan block.

There is an excess surface water of about 15-20 Mm^3/yr stored above the dead storage of the on-going Kalisindh dam for a dependability level of 50% but there is no excess of surface water for a dependability level of 75%.

There is some unutilized groundwater inside CCA but it is distributed in different blocks.

There is no unutilised groundwater outside CCA.

Transfers of water between states, districts and blocks:

There is an import of 2-3 Mm^3/yr of water from the Rana Pratap Sagar dam, which is located in the Chittaurgarh district, for domestic use in the Jhalrapatan block.

There is no export of water from the Jhalawar district for non-agricultural uses.

Between the different blocks of the Jhalawar district, there is a transfer for domestic use from the Chhapi dam located in the Bakani block and from minor structures of the Bakani, Dag and Jhalrapatan blocks to the Jhalrapatan and the Manohar Thana blocks.

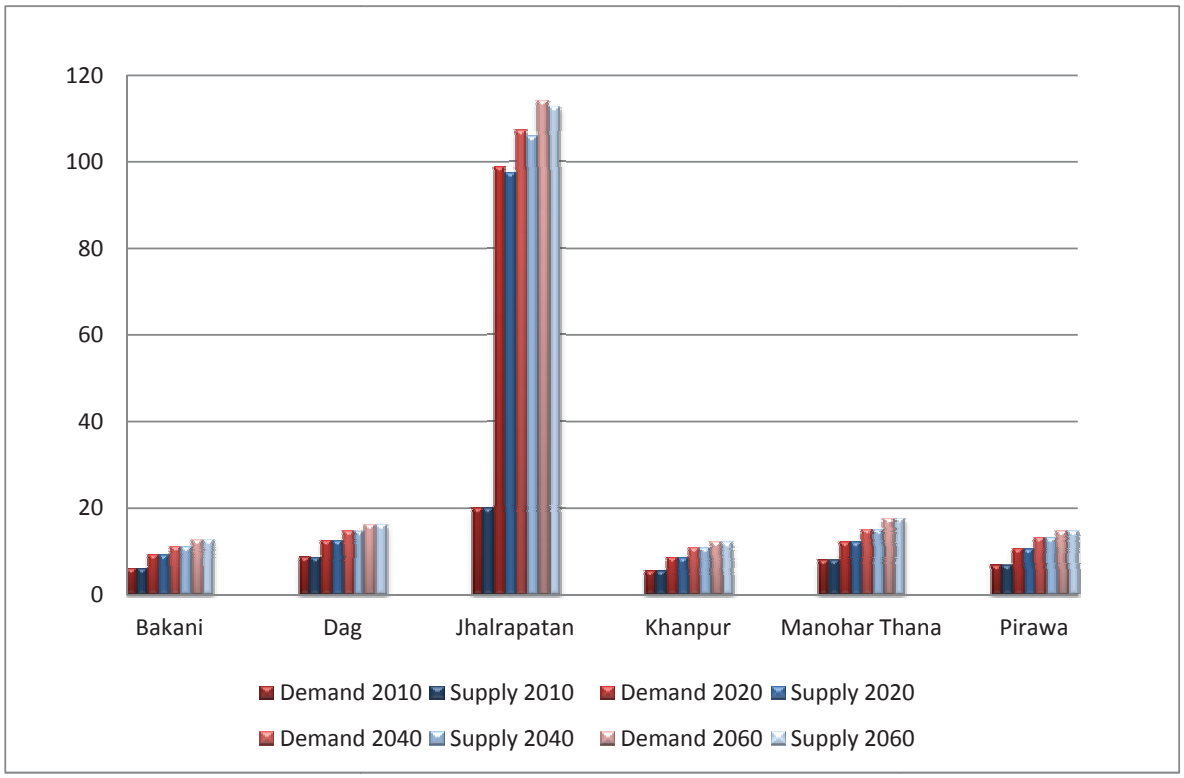
Table C-5.20 Jhalawar District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Jhalawar	2010	25%	3087.56	413.76	55.35	219.50	1307.73	55.35	207.54	235.59	52.67	30.82	315.75	84.77	2265.50	335.82	82.49	0.00
		50%	2064.38	413.76	55.35	221.36	1318.84	55.35	207.41	235.59	40.44	25.80	313.90	78.22	1374.98	197.41	50.96	0.00
		75%	1129.50	413.76	55.35	225.40	1342.90	55.35	178.66	235.09	24.16	12.83	281.60	61.02	623.45	91.20	20.12	0.00
		90%	669.89	413.76	55.35	227.63	1356.22	55.35	118.21	232.68	16.54	0.69	206.33	39.55	397.65	18.68	2.04	0.00
	2020	25%	3154.34	413.75	152.36	263.62	1263.61	152.36	247.93	245.23	100.68	34.11	281.92	112.63	2094.10	381.57	82.42	0.00
		50%	2123.25	413.75	152.36	265.86	1274.34	152.35	247.51	245.40	84.36	28.89	279.66	104.50	1201.75	243.47	50.89	0.00
		75%	1169.14	413.75	152.36	270.71	1297.59	151.24	214.40	245.23	36.45	16.76	245.59	80.24	485.85	127.17	20.05	0.00
		90%	689.66	413.75	152.36	273.40	1310.46	150.92	135.46	242.06	12.59	5.53	174.16	46.42	315.52	22.60	1.85	0.00
	2040	25%	3151.54	413.75	172.50	263.62	1263.61	172.50	246.50	243.09	85.91	33.30	279.85	112.83	2091.95	382.58	83.21	0.00
		50%	2117.95	413.75	172.50	265.86	1274.34	172.50	245.82	242.99	71.18	27.74	277.14	101.64	1199.59	244.78	51.68	0.00
		75%	1168.90	413.75	172.50	270.71	1297.59	171.38	212.19	242.54	27.20	16.19	242.88	76.78	485.84	128.48	20.84	0.00
		90%	689.66	413.75	172.50	273.40	1310.46	171.07	131.16	238.90	7.39	5.21	169.39	44.57	315.52	22.60	2.41	0.00
	2060	25%	3147.25	413.75	188.05	263.62	1263.61	188.05	245.82	240.40	71.99	32.52	278.05	113.13	2090.38	384.52	83.86	0.00
		50%	2113.62	413.75	188.05	265.86	1274.34	188.05	244.82	240.23	60.07	26.86	275.09	99.77	1198.09	246.72	52.33	0.00
		75%	1168.67	413.75	188.05	270.71	1297.59	186.93	210.88	239.38	17.29	15.73	240.67	76.77	485.85	130.42	21.49	0.00
		90%	689.66	413.75	188.05	273.40	1310.46	186.61	127.31	235.66	2.10	5.66	165.25	45.52	315.52	22.60	2.83	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.40 Jhalawar District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-20.2

5.21 Jhunjhunun

In this section, the water balance results of the WEAP simulation of the Jhunjhunun district are presented. The Jhunjhunun district is located in the North-East of Rajasthan, bordered by the Churu and Sikar districts (Figure C-5.41). The Jhunjhunun district also shares a border with the Haryana State. The Jhunjhunun district spreads over the Shekhawati River Basin. The North of the district is found outside any river basin in the arid region of the state defined as the "Outside Basin".

A special feature of this district is the very poor surface water resource. Indeed, there are no major and medium dams in the district. Moreover, Out of the 8 blocks in the district, only 3 blocks have minor dams (Khetri, Nawalgarh and Udaipurwati blocks). The only surface water in the remaining 5 blocks is located in small water bodies.

Figure C-5.41 The Jhunjhunun district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Jhunjhunun district is that there are no domestic shortages for any dependability level and planning stage but unmet demand appears in the industrial sector of Khetri and Jhunjhunun blocks for planning stage 2040 and 2060. The maximum non-agricultural unmet demand of the district is 20 Mm^3/yr. Other main results are presented in the following paragraphs. Table C-5.21 shows the general water balance of Jaisalmer district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-21".

Satisfaction of the non-agricultural demand:

Out of the 8 blocks of the Jhunjhunun district, 6 blocks have no unmet demand for non-agricultural uses, for all planning stages and dependability levels (see Figure C-5.42).

The only blocks with shortages are Khetri and Jhunjhunun blocks. The shortages only affect the industrial and the livestock sectors. According to the WEAP simulation, the shortages start from planning stage 2040 but they are small (1-4 Mm^3/yr). Shortages are more problematic for planning stage 2060 and reach an amount of about 20 Mm^3/yr, out of which 13 Mm^3/yr affect the industrial sector in the Khetri block.

This is with consideration that there will be 30% losses in urban water supply. If it is considered that with proper management the losses can be reduced to 20% in 2020 and 10% in 2040 and 2060, an amount of 5 Mm^3/yr, 11 Mm^3/yr and 12 Mm^3/yr of water can be available in 2020, 2040 and 2060, respectively to partially meet above shortages.

A project named Aapni Yojana Phase-II is under consideration to cover 444 villages of Churu district and Jhunjhunu district and 6 towns of Churu district from Sahwa Lift Canal which takes off from Indira Gandhi Main Canal, as source with an estimated cost

of Rs. 1330.00 Crores. With this scheme and proper water management, additional water will be available for industrianl sector.

Supply coverage of the agricultural demand:

Agricultural practices are exclusively located in 3 blocks: Khetri, Nawalgarh and Udaipurwati. In these blocks, the district-wise supply coverage of agricultural demand inside CCA is low varies between 5% and 99%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 4% and 9% considering full potential cultivable area and between 7% and 15% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

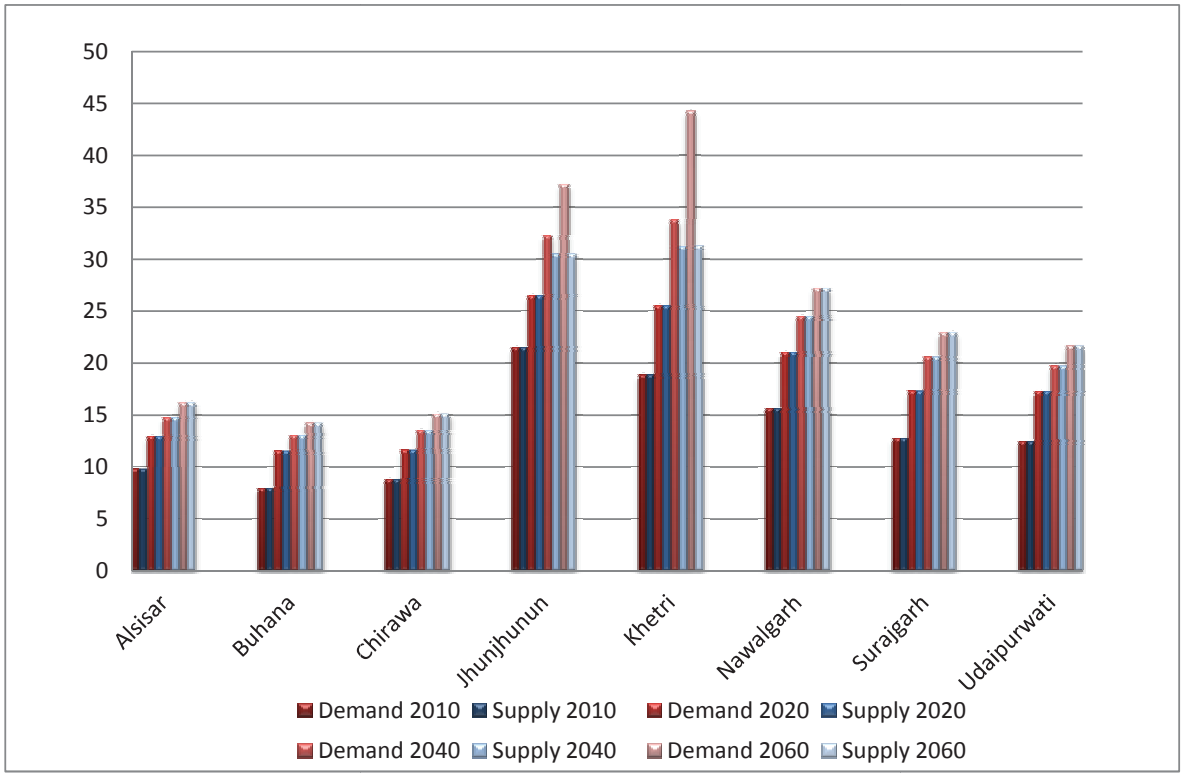
Excess of water:

There is no excess of surface water or groundwater for a dependability level of 75% or 50%.

Transfers of water between states, districts and blocks:

There is no export/import of water from/to the Jhunjhunun district to other districts and between the different blocks of the Jhunjhunun district for any use.

Figure C-5.42 Jhunjhunun District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-21.2

Table C-5.21 Jhunjhunun District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Jhunjhunun	2010	25%	41.34	245.82	107.70	12.67	1154.58	107.69	12.10	100.14	1.26	0.64	58.33	7.01	0.00	0.00	0.00	0.00
		50%	19.42	245.82	107.70	12.98	1182.54	107.69	5.87	98.89	0.00	0.00	48.77	4.02	0.00	0.00	0.00	0.00
		75%	4.28	245.82	107.70	13.62	1241.01	107.69	1.81	96.35	0.00	0.00	42.07	2.19	0.00	0.00	0.00	0.00
		90%	1.70	245.82	107.70	14.00	1275.07	107.69	1.81	95.74	0.00	0.00	41.80	0.47	0.00	0.00	0.00	0.00
	2020	25%	41.34	245.82	143.73	12.67	1154.58	143.73	12.56	80.68	2.10	1.96	37.99	8.13	0.00	0.00	0.00	0.00
		50%	19.42	245.82	143.73	12.98	1182.54	143.73	6.77	79.19	0.00	0.00	31.42	4.12	0.00	0.00	0.00	0.00
		75%	4.28	245.82	143.73	13.62	1241.01	143.73	1.94	76.25	0.00	0.00	26.06	2.11	0.00	0.00	0.00	0.00
		90%	1.70	245.82	143.73	14.00	1275.07	143.73	1.94	75.58	0.00	0.00	25.84	0.43	0.00	0.00	0.00	0.00
	2040	25%	41.34	245.82	172.15	12.67	1154.58	170.81	12.56	62.21	1.70	0.11	31.72	8.05	0.00	0.00	0.00	0.00
		50%	19.42	245.82	172.15	12.98	1182.54	169.63	5.28	61.53	0.00	0.00	24.87	3.92	0.00	0.00	0.00	0.00
		75%	4.28	245.82	172.15	13.62	1241.01	168.23	0.74	59.29	0.00	0.00	20.01	1.83	0.00	0.00	0.00	0.00
		90%	1.70	245.82	172.15	14.00	1275.07	167.76	0.74	58.84	0.00	0.00	19.86	0.33	0.00	0.00	0.00	0.00
	2060	25%	41.34	245.82	198.75	12.67	1154.58	182.41	12.44	54.19	1.25	0.00	28.90	7.98	0.00	0.00	0.00	0.00
		50%	19.42	245.82	198.75	12.98	1182.54	181.12	4.93	53.45	0.00	0.00	21.85	3.89	0.00	0.00	0.00	0.00
		75%	4.28	245.82	198.75	13.62	1241.01	179.45	0.74	50.96	0.00	0.00	17.23	1.72	0.00	0.00	0.00	0.00
		90%	1.70	245.82	198.75	14.00	1275.07	179.07	0.74	50.43	0.00	0.00	17.05	0.23	0.00	0.00	0.00	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.22 Jodhpur

In this section, the water balance results of the WEAP simulation of the Jodhpur district are presented. The Jodhpur district is located in the center of the state of Rajasthan, bordered by the Jaisalmer, Bikaner, Nagaur, Pali and Barmer districts (Figure C-5.43). The Jodhpur district spreads over the Luni River Basin, the North of the district is found outside any river basin in the arid region of the state as the "Outside Basin".

The main special features of the Jodhpur district are presented in the following paragraphs.

The Jodhpur district is one of the districts that imports water from outside of the Rajasthan State. It imports water via the IGNP Stage II canal. The imported water is used both irrigation in the Bap block and for non-agricultural uses in different blocks. This district has also two medium dams: Bisalpura Bund and Jaswant Sagar, located in Mandor and Bilara blocks respectively (the Bisalpura Bund is different from the Bisalpur dam located in the Tonk district).

There is a power plant located in the Osian block: "Solar Thermal Matharia", with a little demand of 1.42 Mm^3/yr and supplied by the IGNPII canal.

There is no specific wildlife demand except a very small quantity in the Mandor and Bilara blocks (< 0.02 Mm^3/yr).

Figure C-5.43 The Jodhpur district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Jodhpur district is that there is no non-agricultural unmet demand and there is no excess water. Other main results are presented in the following paragraphs. Table C-5.22 shows the general water balance of Jodhpur district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-22".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.44).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 26% and 95%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 5% and 9% considering full potential cultivable area and between 22% and 38% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

There is no excess of surface water or groundwater for a dependability level of 75% or 50%.

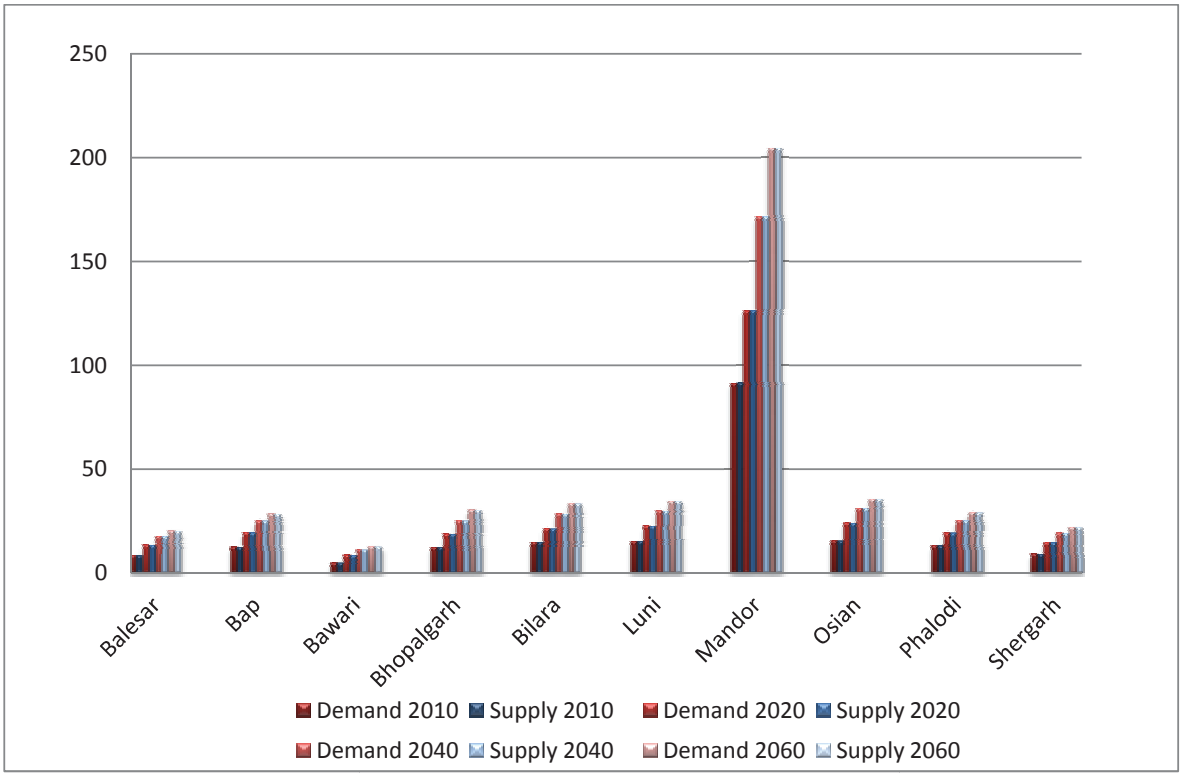
Transfers of water between states, districts and blocks:

There is a total net imported water from the IGNPII varying between 167 Mm^3/yr and 530 Mm^3/yr mainly used for the Jodhpur City and for irrigation in the Bap block.

There is no export of water from the Jodhpur district to other districts.

Inside of the Jodhpur district, there is no transfer for non-agricultural uses.

Figure C-5.44 Jodhpur District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-22.2

Table C-5.22 Jodhpur District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Jodhpur	2010	25%	774.36	367.20	198.27	153.59	2360.93	198.27	136.60	209.31	31.33	1.93	282.51	42.27	578.20	0.00	338.86	0.00
		50%	63.78	367.20	198.27	165.14	2538.42	198.27	82.23	204.50	0.38	0.00	196.13	15.91	5.50	0.00	271.93	0.00
		75%	5.15	367.20	198.27	187.01	2874.56	198.27	59.18	194.74	0.28	0.00	154.84	1.73	0.00	0.00	236.68	0.00
		90%	0.00	367.20	198.27	201.27	3093.70	198.26	52.68	192.67	0.00	0.00	143.75	0.00	0.00	0.00	220.16	0.00
	2020	25%	774.36	367.20	288.99	287.14	2360.93	288.99	272.28	207.44	38.03	21.67	340.29	42.66	582.57	0.00	652.37	0.00
		50%	63.78	367.20	288.99	308.73	2538.42	288.98	182.43	201.60	0.00	0.00	236.99	14.91	7.51	0.00	501.45	0.00
		75%	5.15	367.20	288.99	349.61	2874.56	288.98	132.30	190.79	0.00	0.00	181.29	0.81	0.01	0.00	421.83	0.00
		90%	0.00	367.20	288.99	376.27	3093.70	288.98	113.09	188.53	0.00	0.00	161.11	0.00	0.00	0.00	384.52	0.00
	2040	25%	774.36	367.20	384.93	287.14	2360.93	384.92	270.74	189.83	37.25	12.19	326.72	40.75	587.80	0.00	708.65	0.00
		50%	63.78	367.20	384.93	308.73	2538.42	384.92	173.49	183.20	0.00	0.00	220.55	13.36	13.04	0.00	557.58	0.00
		75%	5.15	367.20	384.93	349.61	2874.56	384.92	125.01	171.62	0.00	0.00	167.73	0.73	0.00	0.00	477.66	0.00
		90%	0.00	367.20	384.93	376.27	3093.70	384.91	105.73	169.30	0.00	0.00	147.46	0.00	0.00	0.00	440.21	0.00
	2060	25%	774.36	367.20	451.04	287.14	2360.93	451.03	269.22	175.70	36.40	2.86	314.32	39.67	592.26	0.00	739.91	0.00
		50%	63.78	367.20	451.04	308.73	2538.42	451.03	164.88	168.33	0.00	0.00	205.75	12.28	17.40	0.00	588.69	0.00
		75%	5.15	367.20	451.04	349.61	2874.56	451.03	117.41	155.96	0.00	0.00	154.53	0.40	1.50	0.00	508.47	0.00
		90%	0.00	367.20	451.04	376.27	3093.70	451.02	98.43	153.58	0.00	0.00	135.03	0.00	0.00	0.00	470.88	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.23 Karauli

In this section, the water balance results of the WEAP simulation of the Karauli district are presented. The Karauli district is located in the east of the state of Rajasthan, bordered by the Dhaulpur, Bharatpur, Dausa and Sawai Madhopur districts (Figure C-5.45). The Chambal River forms the south-eastern boundary of the district with the state of Madhya Pradesh. The Karauli district lies within five river basins. Most of the district lies in the Gambhir River Basin and towards the South the Chambal and Banas River Basin, to the East the Parbati Basin and in the North the Banganga Basin.

The Karauli district has no special features except the Khoh Minor Irrigation Project, which is a minor on-going dam, in Sapotra block.

Figure C-5.45 The Karauli district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Karauli district is that there is no non-agricultural unmet demand and there is no significant excess water. Other main results are presented in the following paragraphs. Table C-5.23 shows the general water balance of Karauli district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-23".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses (see Figure C-5.46).

There is an ongoing project by PHED, Rajasthan to cover 926 villages and four towns of Sawai Madhopur and Karauli district with an estimated cost of Rs. 468.18 Crores. This will further strengthen the drinking water supply scenario in Karauli district.

There is another project (by WRD, Rajasthan) to facilitate Juggar Project command and extra command to Panchana Project, by lifting water from Chambal to Panchana and to Juggar dam. The estimated cost of the project is Rs. 282.00 Crores.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 27% and 100%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 22% and 29% considering full potential cultivable area and between 42% and 55% considering the maximum area irrigated during past few years (2001-2010), depending on the planning stage and dependability level.

Excess of water:

There is no excess of surface water in the major/medium dams of the district for a dependability level of 75% or 50%.

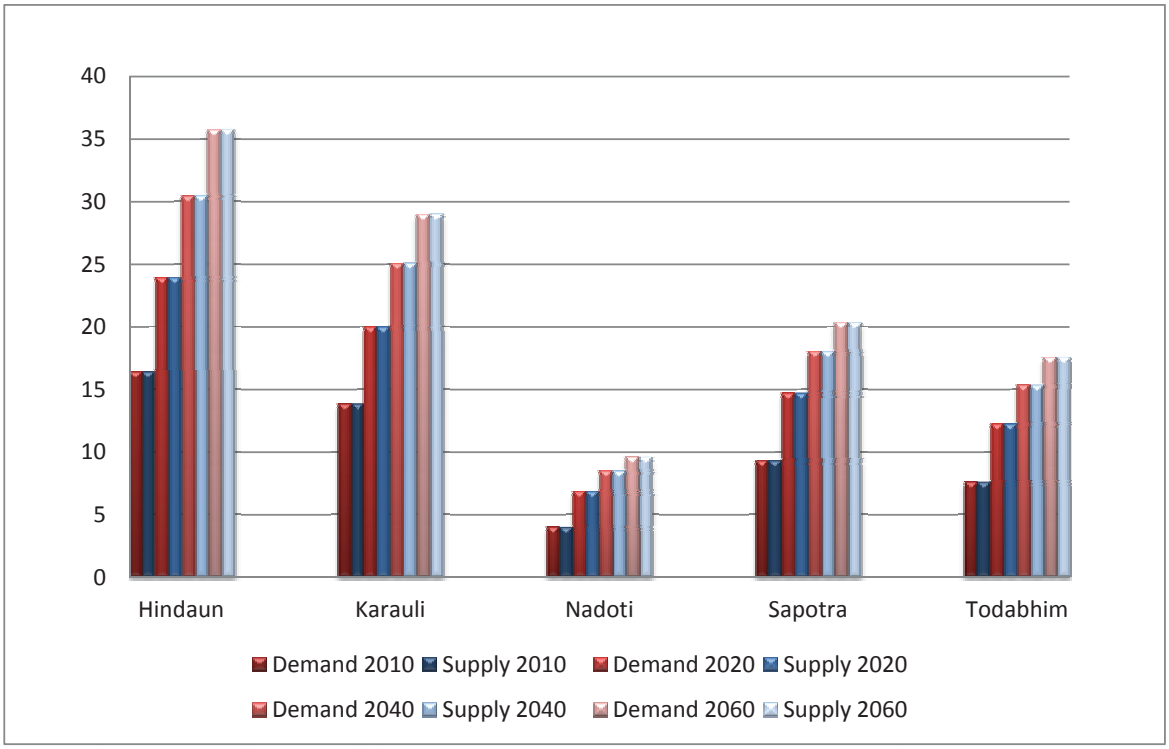
There is no unutilised groundwater inside CCA for a dependability level of 75%, although for a dependability level of 50% there is a volume of 10-18 Mm^3/yr unutilised, distributed in different blocks.

There is no unutilised groundwater outside CCA.

Transfers of water between states, districts and blocks:

There is no export/import of water from/to the Karauli district to other districts and between the different blocks of the Karauli district for non-agricultural uses.

Figure C-5.46 Karauli District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-23.2

Table C-5.23 Karauli District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Karauli	2010	25%	682.73	329.93	51.20	85.31	635.42	51.20	71.04	181.35	55.06	11.50	214.41	73.43	328.62	26.05	0.00	0.00
		50%	251.25	329.93	51.20	85.80	639.06	51.20	65.19	180.82	11.95	9.71	184.65	55.57	0.09	21.99	0.00	0.00
		75%	45.90	329.93	51.20	86.53	644.51	51.20	26.26	178.09	0.00	0.00	93.17	27.11	0.00	0.00	0.00	0.00
		90%	3.61	329.93	51.20	86.90	647.24	51.20	23.09	173.32	0.00	0.00	84.18	1.75	0.00	0.00	0.00	0.00
	2020	25%	730.05	329.92	77.75	89.15	631.59	77.75	89.15	174.84	85.05	29.55	139.67	76.96	365.41	21.59	0.00	0.00
		50%	268.66	329.92	77.75	89.66	635.20	77.75	86.21	174.48	28.08	17.64	130.83	62.27	2.92	18.41	0.00	0.00
		75%	49.09	329.92	77.75	90.42	640.62	77.75	31.71	170.97	0.00	0.00	71.15	27.42	0.00	0.00	0.00	0.00
		90%	3.86	329.92	77.75	90.80	643.33	77.75	25.27	165.28	0.00	0.00	63.52	1.96	0.00	0.00	0.00	0.00
	2040	25%	730.05	329.92	97.46	89.15	631.59	97.46	88.27	162.01	83.06	25.52	132.57	78.44	374.40	18.25	0.00	0.00
		50%	268.66	329.92	97.46	89.66	635.20	97.46	86.33	161.56	26.40	18.01	126.82	60.16	3.43	18.41	0.00	0.00
		75%	49.09	329.92	97.46	90.42	640.62	97.46	31.64	157.01	0.00	0.00	66.46	26.42	0.01	0.00	0.00	0.00
		90%	3.86	329.92	97.46	90.80	643.33	97.45	25.27	150.56	0.00	0.00	58.61	1.90	0.00	0.00	0.00	0.00
	2060	25%	730.05	329.92	112.28	89.15	631.59	112.28	87.93	152.82	81.65	25.26	129.04	73.60	379.88	17.52	0.00	0.00
		50%	268.66	329.92	112.28	89.66	635.20	112.28	85.86	152.34	24.56	18.08	123.32	55.32	9.33	17.48	0.00	0.00
		75%	49.09	329.92	112.28	90.42	640.62	112.28	31.52	146.58	0.00	0.00	62.90	25.71	0.01	0.00	0.00	0.00
		90%	3.86	329.92	112.28	90.80	643.33	112.24	25.27	139.50	0.00	0.00	54.92	1.85	0.00	0.00	0.00	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.24 Kota

In this section, the water balance results of the WEAP simulation of the Kota district are presented. The Kota district is located in the east of the state of Rajasthan, bordered by the Sawai Madhopur, Bundi, Chittaurgarh, Jhalawar and Baran districts. The district shares a border with the state of Madhya Pradesh (Figure C-5.47). The Kota district lies entirely within the Chambal River Basin.

The more important special feature of the Kota district is its Kota Barrage, located in the Chambal river basin, in the Ladpura block of the Kota district, about 0.8 km upstream of Kota city. Its CCA of 229000 Ha is the largest in all the Rajasthan State. It has an inflow of 326 Mm^3/yr for a dependability level of 25%. It has not a big gross storage capacity by itself (112 Mm^3) but it is regularly fed by bigger upstream dams. Indeed, the Kota barrage is the fourth in the series of Chambal Valley Projects. The Gandhi Sagar dam, located in the Madhya Pradesh State, is the upstream dam and the biggest structure of the series. It has a gross storage capacity of 7323 Mm^3 and an annual inflow of 7109 Mm^3 for a dependability level of 25%. The second dam is Rana Pratap Sagar, located in the Bhainsrorgarh block of the Chittaurgarh district. It is also a very big structure, with a gross storage capacity of 2899 Mm^3 and an annual inflow of 209 Mm^3 for a dependability level of 25%. The third dam is Jawahar Sagar, located at the border of the Ladpura block of Kota district and the Talera block of Bundi district and is much smaller than the two previous dams. It has a gross storage capacity of 68 Mm^3 and an annual inflow of 714 Mm^3 for a dependability level of 25%. Gandhi Sagar spills to Rana Pratap Sagar, which spills to Jawahar Sagar, which finally spills to the Kota barrage.

Half of the water from the Kota Barrage is utilised in the Rajasthan State whereas the other half has been agreed to be diverted to the Madhya Pradesh State for irrigation. In the Rajasthan State, water from Kota Barrage is utilised in Kota, Baran and Bundi districts.

Inside the Kota district, the water from the Kota Barrage is utilised for domestic supply to Kota town, for the power plant near the dam, and for irrigation in Itawa, Ladpura and Sultanpura blocks.

Inside the Baran district, the water from Kota barrage is utilised for irrigation in the Antah block and for supply to the power plants located in this same block.

Inside the Bundi district, the water from the Kota barrage is utilised for irrigation in Bundi, Keshorai Patan and Talera blocks.

Other special features of the Kota district are summarised below:

The Itawa block is entirely covered by the CCA of Kota barrage, has no minor dams and no specific wildlife water demand

There is a power plant located near the Kota town

There is an intake on the Kalisindh river which supply water to the industry in the Sultanpura block

There are 4 on-going minors structures (Balapura Minor Irrig. Lift Scheme, Kishanpura Irrig. Project Lift Scheme, Danta Minor Irrig. Project and Kishor Pura Minor Irrig. Project) whose main features are summarized in Appendix C-6, Table C-6.2.

There is a major ongoing dam, Kalisindh Irrigation Project Phase1st, which is located in Jhalawar district but whose CCA spreads also on the Sangod block of Kota district.

Figure C-5.47 The Kota district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Kota district is that there is no unmet demand for non-agricultural uses and there is unutilized groundwater in the CCA of Kota barrage for a dependability level of 50% varying between 90 Mm^3/y and 215 Mm^3/y. Surplus associated to the other projects of the series of Chambal Valley Projects are mainly located in the Gandhi Sagar dam and the Rana Pratap Sagar dam and are presented in the section associated to Chittaurgarh district and in Section 6.5. Other main results associated to the Kota district are presented in the following paragraphs. Table C-5.24 shows the general water balance of Kota district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-24".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses (see Figure C-5.48).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 54% and 95%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 19% and 25% considering full potential cultivable area and between 25% and 37% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

There is a relatively small excess of water in the dead storage of the Kota Barrage of about 10-20 Mm^3/yr depending on the planning stage and dependability level.

There are no unintercepted spills from the major/medium dams for a dependability level of 75%. For a dependability level of 50%, there are also no unintercepted spills, except some 15-30 Mm^3/yr at Kota barrage but only up to 2020.

There is no unutilised groundwater inside CCA for a dependability level of 75%, but for a dependability level of 50% there is a district-wise total unutilised groundwater inside CCA varying between 90 Mm^3/yr and 215 Mm^3/yr, mainly located in the command area of the Kota Barrage.

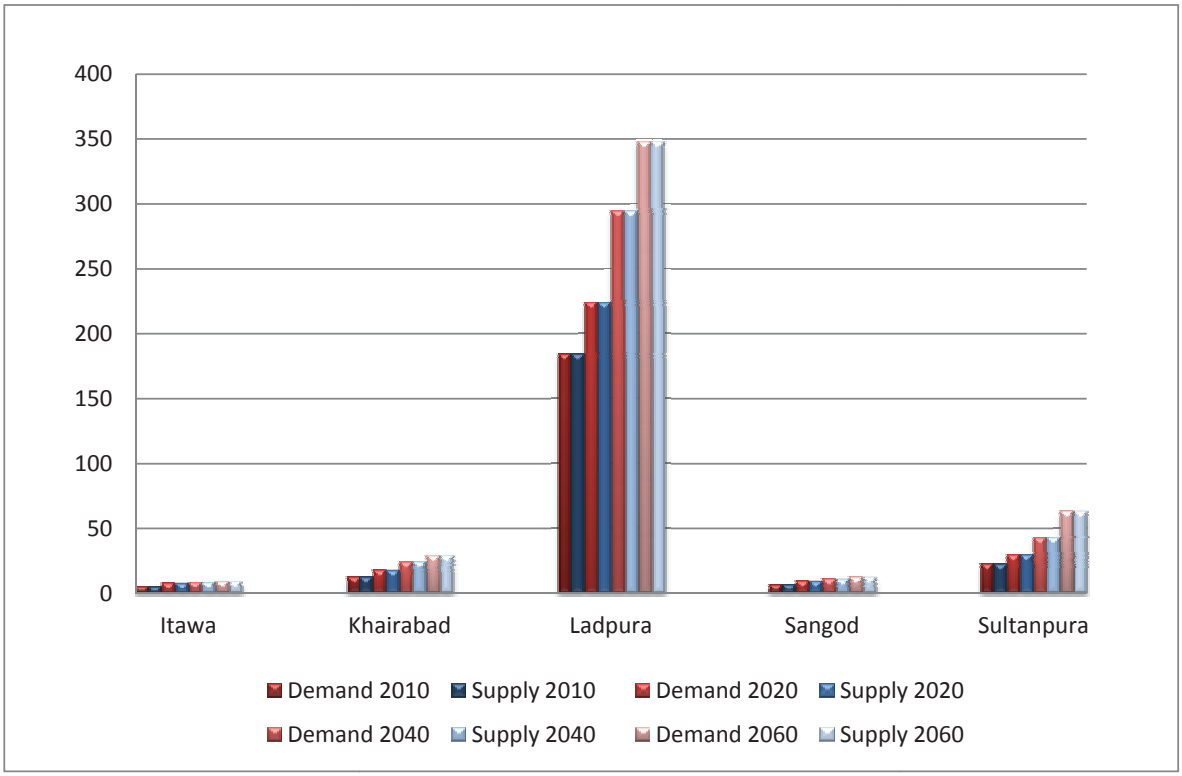
There is no unutilised groundwater outside CCA.

Transfers of water between states, districts and blocks:

There is a very big import of water from the Chittaurgarh district via the Rana Pratap Sagar dam. The gross volume imported varies between 965 Mm^3/yr and 4590 Mm^3/yr, depending on the planning stage and dependability level. Out of this volume, only 7 Mm^3/yr to 19 Mm^3/yr is directly supplied for domestic use in the Khairabad block and the rest spills to the Jawahar Sagar dam. From the Jawahar Sagar dam only 1 Mm^3/yr to 5 Mm^3/yr is exported for rural domestic supply in the Bundi district and the rest spills to the Kota Barrage.

From the Kota Barrage, there is a very big export of water to the Madhya Pradesh state, which always represents 50% of the total water supplied by the Kota Barrage both in Rajasthan and in Madhya Pradesh States. Some water from the Kota Barrage is also exported to the Bundi and Baran districts. The total gross quantity exported outside of the Kota district from the Kota Barrage varies between 660 and 3650 Mm^3/yr, depending on the planning stage and dependability level.

Figure C-5.48 Kota District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-24.2

Table C-5.24 Kota District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Kota	2010	25%	1477.02	490.51	231.78	505.22	454.73	231.78	471.21	113.19	98.50	215.89	931.25	56.24	754.98	3730.83	4636.33	0
		50%	696.28	490.51	231.78	510.85	459.80	231.78	466.30	113.19	90.89	90.29	768.93	53.18	112.44	2766.18	3506.40	0
		75%	315.14	490.51	231.78	520.04	468.07	231.78	368.41	113.19	60.83	1.28	455.04	42.32	0.00	1307.32	1774.52	0
		90%	175.53	490.51	231.78	525.67	473.14	231.78	287.23	113.17	38.01	1.26	283.39	30.37	0.00	676.96	996.13	0
	2020	25%	1487.55	490.51	289.72	552.54	407.40	289.72	524.88	106.40	96.83	221.10	503.77	57.85	742.89	2479.40	3044.78	0
		50%	704.85	490.51	289.72	558.70	411.94	289.72	519.98	106.40	93.91	215.67	496.25	52.11	97.29	2463.46	3139.45	0
		75%	322.00	490.51	289.72	568.75	419.36	289.72	479.43	106.40	57.93	1.28	354.07	39.76	0.00	1289.12	1805.21	0
		90%	181.45	490.51	289.72	574.92	423.90	289.72	337.97	106.37	35.73	1.26	221.09	28.48	0.00	663.63	1012.29	0
	2040	25%	1500.11	490.51	382.16	552.54	407.40	382.16	524.68	95.68	89.36	218.55	499.69	54.56	675.59	2697.95	3247.59	0
		50%	717.41	490.51	382.16	558.70	411.94	382.16	519.75	95.68	84.81	212.70	491.93	49.95	32.17	2678.31	3339.53	0
		75%	334.56	490.51	382.16	568.75	419.36	382.15	460.96	95.68	49.77	1.28	333.26	38.95	0.00	1410.45	1947.41	0
		90%	194.01	490.51	382.16	574.92	423.90	382.15	321.40	95.62	27.22	1.26	202.15	26.63	0.00	804.94	1176.85	0
	2060	25%	1519.74	490.51	462.58	552.54	407.40	462.57	524.44	81.39	81.63	216.88	494.55	53.48	634.96	2842.67	3382.33	0
		50%	737.04	490.51	462.58	558.70	411.94	462.57	519.61	81.39	76.00	204.78	483.84	48.68	20.96	2788.61	3458.89	0
		75%	354.19	490.51	462.58	568.75	419.36	462.57	446.55	81.39	42.34	1.28	315.01	37.30	0.00	1478.70	2020.43	0
		90%	213.64	490.51	462.58	574.92	423.90	462.57	309.41	81.30	19.82	1.18	186.23	27.16	0.00	893.40	1276.92	0

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.25 Nagaur

In this section, the water balance results of the WEAP simulation of the Nagaur district are presented. The Nagaur district is located in the center of the State of Rajasthan, bordered by the Sikar, Churu, Bikaner, Jodhpur, Pali, Ajmer and Jaipur districts (Figure C-5.49). The Nagaur district lies over three basins. The North of the district is found outside any river basin in the arid region of the state defined as the "Outside Basin", the south corner is in the Luni River Basin and the east corner is in the Shekhawati River Basin.

The main special features of the Nagaur district are presented in the following paragraphs.

The Nagaur district is one of the districts that have no major/medium dams and is supplied with imported water from outside of the Rajasthan State, through IGNP Stage-II canal (Nagaur Lift Water Supply Project). The imported water is used for domestic supply only, in Degana, Merta, Mundwa and Nagaur blocks.

In the Jayal block there is a little supply to rural demand from the treated brackish groundwater of Matasukh mines: 1.52 Mm^3/yr and 4.75 Mm^3/yr at present and in 2020 respectively. It is assumed that for further planning stages the aquifer will be emptied.

The only blocks with a little wildlife demand are Kuchaman City, Parbatsar and Riyan (< 0.02 Mm^3/yr).

Figure C-5.49 The Nagaur district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Nagaur district is that there is no non-agricultural unmet demand and there is no excess water. Other main results are presented in the following paragraphs. Table C-5.25 shows the general water balance of Nagaur district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-25".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.50) considering the timely completion of ongoing project - Nagaur Lift Water Supply Project for 5 towns and 502 villages of Nagaur district. The estimated cost of project is Rs. 761.00 Crores.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 8% and 89%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 5% and 9% considering full potential cultivable area and between 23% and 40% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

There is no significant excess of surface water or groundwater for a dependability level of 75% or 50%.

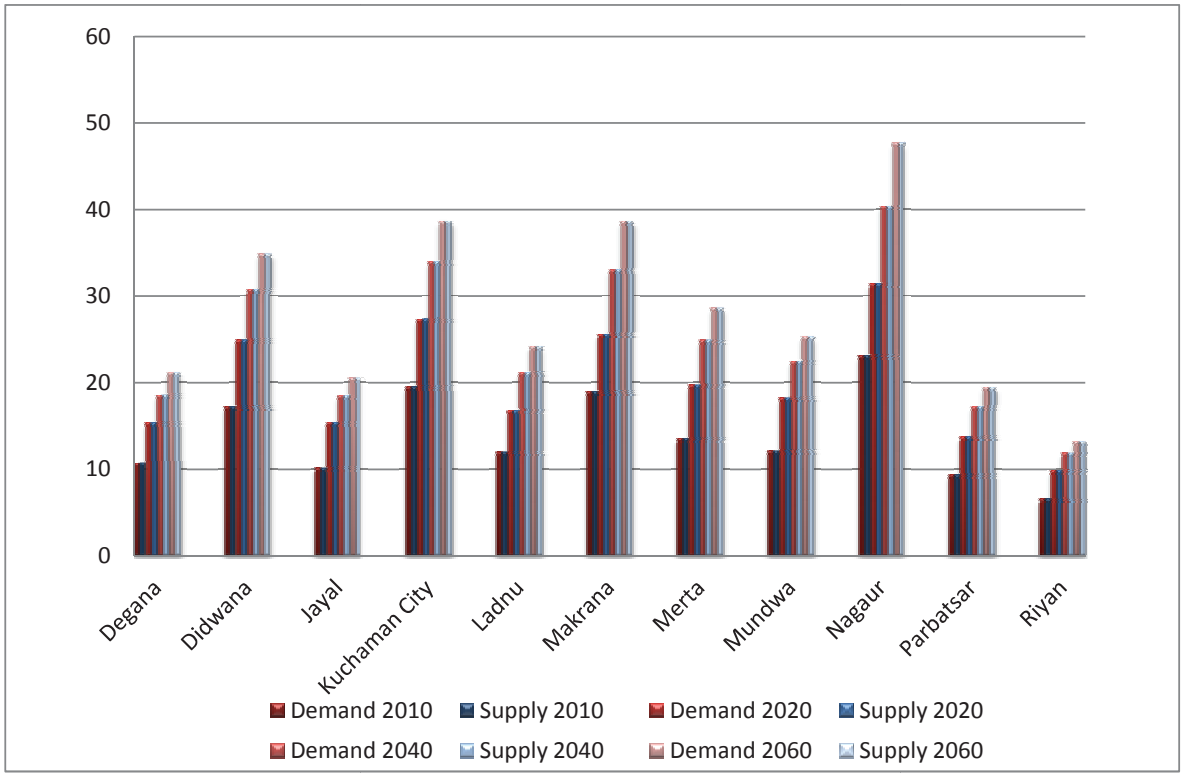
Transfers of water between states, districts and blocks:

There is a total imported water from the IGNPII varying between 37 Mm^3/yr and 79 Mm^3/yr depending on the planning stage and exclusively supplied for domestic use.

There is no export of water from the Nagaur district to other districts.

There are no transfers between the different blocks of the Nagaur district.

Figure C-5.50 Nagaur District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-25.2

Table C-5.25 Nagaur District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Nagaur	2010	25%	126.37	513.28	153.26	29.41	3364.58	153.26	25.75	289.47	20.35	1.42	157.74	28.25	0.00	0.00	36.59	0.00
		50%	59.35	513.28	153.26	31.06	3553.45	153.26	14.04	286.27	2.65	0.20	139.38	13.42	0.00	0.00	36.59	0.00
		75%	13.08	513.28	153.26	34.27	3920.39	153.26	2.97	279.23	0.00	0.00	120.94	6.56	0.00	0.00	36.59	0.00
		90%	5.18	513.28	153.26	36.27	4149.74	153.26	2.97	277.30	0.00	0.00	120.12	1.41	0.00	0.00	36.59	0.00
	2020	25%	126.37	516.51	218.38	29.41	3364.58	218.38	26.27	283.25	24.38	1.76	117.12	28.53	0.00	0.00	56.82	0.00
		50%	59.35	516.51	218.38	31.06	3553.45	218.38	13.71	279.34	2.67	0.44	103.89	14.24	0.00	0.00	56.82	0.00
		75%	13.08	516.51	218.38	34.27	3920.39	218.38	3.18	269.32	0.00	0.00	90.83	4.70	0.00	0.00	56.82	0.00
		90%	5.18	516.51	218.38	36.27	4149.74	218.38	3.18	266.16	0.00	0.00	89.78	1.00	0.00	0.00	56.82	0.00
	2040	25%	126.37	511.76	272.86	29.41	3364.58	272.86	24.20	253.04	23.40	1.70	105.15	28.10	0.00	0.00	70.32	0.00
		50%	59.35	511.76	272.86	31.06	3553.45	272.86	13.32	246.65	2.24	0.40	92.62	13.33	0.00	0.00	70.32	0.00
		75%	13.08	511.76	272.86	34.27	3920.39	272.86	3.18	235.31	0.00	0.00	79.50	4.31	0.00	0.00	70.32	0.00
		90%	5.18	511.76	272.86	36.27	4149.74	272.86	3.18	232.02	0.00	0.00	78.40	0.80	0.00	0.00	70.32	0.00
	2060	25%	126.37	511.76	312.28	29.41	3364.58	312.27	22.86	233.07	22.44	1.59	97.23	27.69	0.00	0.00	79.02	0.00
		50%	59.35	511.76	312.28	31.06	3553.45	312.27	12.72	225.05	1.72	0.40	84.88	13.09	0.00	0.00	79.02	0.00
		75%	13.08	511.76	312.28	34.27	3920.39	312.27	3.18	212.39	0.00	0.00	71.86	4.17	0.00	0.00	79.02	0.00
		90%	5.18	511.76	312.28	36.27	4149.74	312.28	3.18	209.10	0.00	0.00	70.76	0.66	0.00	0.00	79.02	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.26 Pali

In this section, the water balance results of the WEAP simulation of the Pali district are presented. The Pali district is located in the center of the state of Rajasthan, bordered by the Nagaur, Jodhpur, Barmer, Jalore, Sirohi, Udaipur, Rajsamand and Ajmer districts (Figure C-5.51). The Pali district is entirely within the Luni River Basin.

A special feature of the Pali district is the Jawai Bund, which is a major dam located in the Sumerpur block. This dam exports water to several destinations. Outside of the Pali district it exports water to the Ahore block of the Jalore district for irrigation and to the Sheoganj block of Sirohi district for domestic use in the Sheoganj town. Inside of the Pali district, it exports water to the Bali, Pali, Rani and Sojat blocks for domestic use in the Bali, Falna, Pali, Rani and Sojat towns.

Also, there is no groundwater inside the command areas of Giroliya Tank, Hemawas Bund, Kharda Bund (medium dams) and Sardar Samand (major dam) available for supply and there is no specific wildlife demand in the Rohat block.

Figure C-5.51 The Pali district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Pali district is that there is some non-agricultural unmet demand, mainly located in the Pali block but also in the Rohat block. The maximum non-agricultural unmet demand of the district reaches an amount of about 35 Mm^3/yr for a dependability level of 90% in 2060, out of which 25 Mm^3/yr for domestic use. Other main results are presented in the following paragraphs. Table C-5.26 shows the general water balance of Pali district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-26".

Satisfaction of the non-agricultural demand:

Out of the 10 blocks of the district, 8 blocks have no non-agricultural unmet demand for any dependability level and planning stage. The 2 blocks with shortages are the Pali and Rohat blocks (see Figure C-5.52).

The non-agricultural coverage of the demand in each of those two blocks and according to the WEAP simulation is as follow.

The Pali block has a present total non-agricultural unmet demand of about 10 Mm^3/yr and 15 Mm^3/yr, out of which 6 Mm^3/yr and 11 Mm^3/yr for domestic use, for a dependability level of 75% and 90% respectively. In future planning stages, the maximum non-agricultural unmet demand in this block is 19 Mm^3/yr, 25 Mm^3/yr and 31 Mm^3/yr in 2020, 2040 and 2060 respectively.

In the Rohat block, the non-agricultural demand consists in the rural and livestock demand. There is a little unmet demand for livestock at present for a dependability level of 90% and in future planning stages the shortages of water for livestock exists for all dependability levels. Rural unmet demand in this block appear in 2020 for all dependability levels and is of about 1 Mm^3/yr, 1.5 Mm^3/yr and 2 in 2020, 2040 and 2060 respectively. In future planning stages, the maximum non-agricultural unmet demand for both rural and livestock uses is about 2 Mm^3/yr, 3 Mm^3/yr and 4 Mm^3/yr in 2020, 2040 and 2060 respectively.

There is an ongoing project to save water losses in open canal from Jawai dam to provide safe drinking water to additional 531 villages and 10 towns of Pali district by converting the existing canal system into pipeline from Jawai dam with an estimated cost of Rs. 634.79 Crores. The above shortages can be fulfilled by conservation of water being lost in open canal flow through seepage, evaporation and pilferage.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 6% and 73%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA is <5% considering full potential cultivable area and between 21% and 36% considering the maximum area irrigated during past few years (2001-2010), depending on the planning stage and dependability level.

Excess of water:

There is no excess of surface water or groundwater for a dependability level of 75% or 50%.

Transfers of water between states, districts and blocks:

There is a small export of water (about 3 Mm^3/yr maximum) from the Jawai Bund, located the Sumerpur block of the Pali district, to the Sheoganj block of Sirohi district for domestic use in the Sheoganj town.

There is no import of water to the Pali.

Between the different blocks of the Pali district, there are transfers from the Jawai Bund in the Sumerpur block to the Bali, Pali, Rani and Sojat blocks for domestic use in the Bali, Falna, Pali, Rani and Sojat towns. The total export of water from the Jawai Bund to these towns varies between 1 Mm3/yr and 29 Mm3/yr according to the planning stage and dependability level.

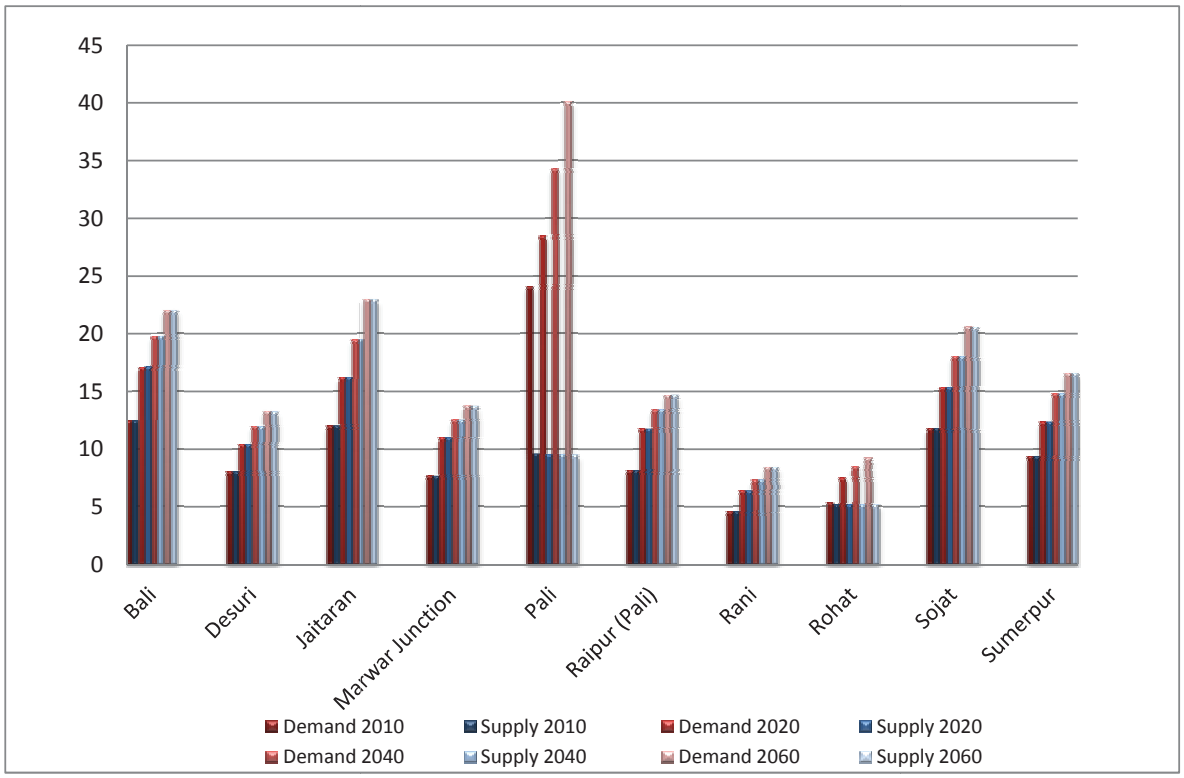
Table C-5.26 Pali District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Pali	2010	25%	754.84	278.51	103.55	297.98	2967.41	103.55	184.06	131.74	64.59	1.90	320.82	132.83	67.07	26.79	0.00	0.00
		50%	296.05	278.51	103.55	303.87	3026.12	103.21	95.10	130.05	5.31	0.01	175.85	56.29	0.01	8.72	0.00	0.00
		75%	45.01	278.51	103.55	315.03	3137.23	94.34	20.18	121.93	0.00	0.00	61.66	24.68	0.00	0.73	0.00	0.00
		90%	4.35	278.51	103.55	322.47	3211.30	88.78	19.11	116.67	0.00	0.00	58.19	0.00	0.00	0.12	0.00	0.00
	2020	25%	755.71	278.51	136.60	297.98	2967.41	133.65	216.51	130.16	79.50	3.77	231.21	142.64	70.36	26.42	0.00	0.00
		50%	296.13	278.51	136.60	303.87	3026.12	133.20	110.46	127.71	2.86	0.31	131.55	59.77	0.00	8.77	0.00	0.00
		75%	45.01	278.51	136.60	315.03	3137.23	120.47	21.49	113.57	0.00	0.00	45.55	21.67	0.00	0.77	0.00	0.00
		90%	4.35	278.51	136.60	322.47	3211.30	115.27	20.11	105.49	0.00	0.00	41.86	0.00	0.00	0.14	0.00	0.00
	2040	25%	755.04	278.51	160.12	297.98	2967.41	154.45	211.25	124.08	74.45	3.37	223.98	136.44	79.00	26.52	0.00	0.00
		50%	296.13	278.51	160.12	303.87	3026.12	153.24	106.31	121.41	0.00	0.30	126.10	58.59	0.00	8.68	0.00	0.00
		75%	45.01	278.51	160.12	315.03	3137.23	137.26	20.48	102.70	0.00	0.00	41.58	20.61	0.00	0.89	0.00	0.00
		90%	4.35	278.51	160.12	322.47	3211.30	131.96	19.10	93.96	0.00	0.00	37.69	0.00	0.00	0.16	0.00	0.00
	2060	25%	754.24	278.51	181.56	297.98	2967.41	172.38	204.81	118.10	72.35	2.71	215.95	133.30	87.41	25.75	0.00	0.00
		50%	295.36	278.51	181.56	303.87	3026.12	171.72	100.20	115.32	0.00	0.30	118.80	58.47	2.16	6.91	0.00	0.00
		75%	45.01	278.51	181.56	315.03	3137.23	152.39	19.78	92.88	0.00	0.00	38.08	19.42	0.02	0.96	0.00	0.00
		90%	4.35	278.51	181.56	322.47	3211.30	146.83	18.39	83.51	0.00	0.00	33.97	0.00	0.00	0.17	0.00	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.52 Pali District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-26.2

5.27 Pratapgarh

In this section, the water balance results of the WEAP simulation of the Pratapgarh district are presented. The Pratapgarh district is located in the south of the state of Rajasthan, bordered by the Chittaurgarh, Udaipur, Dungarpur, and Banswara districts (Figure C-5.53). The district shares a border with the Madhya Pradesh State. The Pratapgarh district lies over three basins. The North of the district is found in the Banas River Basin, the east is in the Chambal River Basin and the majority of the state is in the Mahi River Basin.

A special feature of the Pratapgarh district is that there are 3 minor on-going dams: Bagdari Minor Irrig. Project, Boriwan Garhi and Bhanwar Semla Project, located in Chhoti Sadri, Peepalkhoont and Pratapgarh blocks respectively.

In addition, the Pratapgarh block has reserved water for domestic use from Jakham dam and from another minor structure in the same block (Badi Mansarover).

Jakham is the only major/medium dam in the district.

Figure C-5.53 The Pratapgarh district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Pratapgarh district is that there is no non-agricultural unmet demand and there are spills of about 4-12 Mm^3/yr and 153-161 Mm^3/yr for a dependability level of 75% and 50% respectively from the Jakham dam. Other main results are presented in the following paragraphs. Table C-5.27 shows the general water balance of Pratapgarh district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-27".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses (see Figure C-5.54).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 25% and 94%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 10% and 11% considering full potential cultivable area and between 27% and 32% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

The Jakham major dam has spills of about 4-12 Mm^3/yr and 153-161 Mm^3/yr for a dependability level of 75% and 50% respectively.

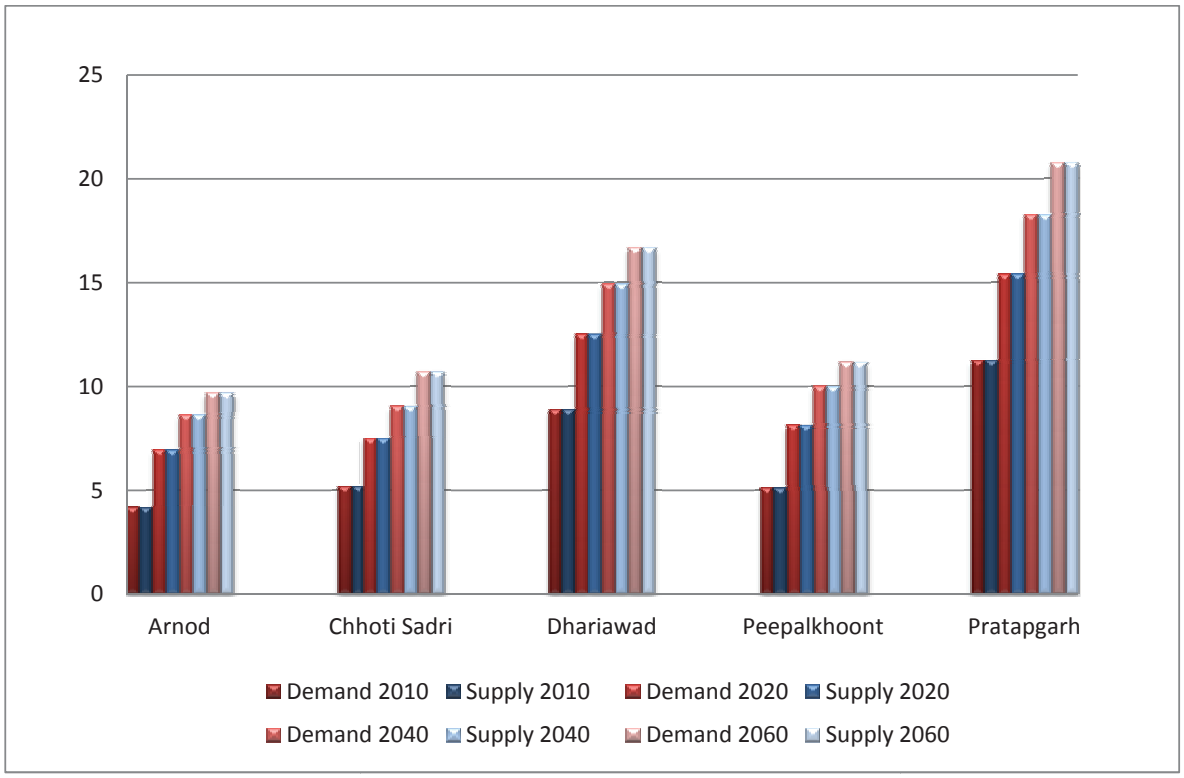
No excess of surface water is stored in the Jakham dam above its dead storage.

There is not a significant volume of unutilised groundwater.

Transfers of water between states, districts and blocks:

There is no export/import of water from/to the Pratapgarh district to other districts and between the different blocks of the Pratapgarh district for non-agricultural uses.

Figure C-5.54 Pratapgarh District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-27.2

Table C-5.27 Pratapgarh District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Pratapgarh	2010	25%	759.83	147.32	34.70	132.43	646.06	34.70	110.35	73.51	17.69	2.65	171.51	33.98	462.76	0.00	0.00	0.00
		50%	561.92	147.32	34.70	133.04	649.05	34.70	109.71	73.51	16.62	2.64	170.60	31.13	270.33	0.00	0.00	0.00
		75%	281.88	147.32	34.70	133.86	653.04	34.70	107.59	73.13	15.17	1.55	166.73	26.02	4.32	0.00	0.00	0.00
		90%	75.47	147.32	34.70	134.31	655.23	34.70	33.91	71.62	8.74	0.00	60.53	13.29	0.00	0.00	0.00	0.00
	2020	25%	795.52	147.32	50.57	140.14	638.35	50.57	132.39	74.38	27.16	3.62	134.02	38.02	482.69	0.00	0.00	0.00
		50%	588.31	147.32	50.57	140.79	641.30	50.57	131.86	74.24	25.39	3.55	133.48	34.91	281.64	0.00	0.00	0.00
		75%	295.12	147.32	50.57	141.65	645.25	50.57	130.68	73.75	17.98	2.74	131.94	30.78	4.00	0.00	0.00	0.00
		90%	79.01	147.32	50.57	142.13	647.42	50.57	37.29	71.41	7.11	0.00	46.86	13.06	0.03	0.00	0.00	0.00
	2040	25%	795.52	147.32	60.96	140.14	638.35	60.96	129.24	71.81	22.85	3.61	131.18	37.58	485.61	0.00	0.00	0.00
		50%	588.31	147.32	60.96	140.79	641.30	60.96	128.62	71.72	20.96	3.50	130.56	34.47	284.84	0.00	0.00	0.00
		75%	295.12	147.32	60.96	141.65	645.25	60.96	127.37	71.01	14.79	1.85	128.52	29.98	7.97	0.00	0.00	0.00
		90%	79.01	147.32	60.96	142.13	647.42	60.96	36.20	67.67	3.14	0.00	45.49	12.86	0.00	0.00	0.00	0.00
	2060	25%	795.52	147.32	69.05	140.14	638.35	69.05	126.71	70.21	18.32	3.61	128.91	37.13	488.91	0.00	0.00	0.00
		50%	588.31	147.32	69.05	140.79	641.30	69.05	126.09	70.18	16.29	3.43	128.28	34.08	288.24	0.00	0.00	0.00
		75%	295.12	147.32	69.05	141.65	645.25	69.05	123.86	69.38	11.44	1.63	125.27	29.55	12.26	0.00	0.00	0.00
		90%	79.01	147.32	69.05	142.13	647.42	69.05	35.49	64.80	0.00	0.00	44.45	12.53	0.02	0.00	0.00	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.28 Rajsamand

In this section, the water balance results of the WEAP simulation of the Rajsamand district are presented. The Rajsamand district is located in the south-center of the state of Rajasthan, bordered by the Chittaurgarh, Bhilwara, Ajmer, Pali and Udaipur districts (Figure C-5.55). The Rajsamand district lies over two basins. Most of the district is in the Banas River Basin, the north-east of the district is in the Luni River Basin.

The special features of the Rajsamand district are presented in the following paragraphs.

There is an on-going minor dam, Bageri Ka Naka, in the Khamnor block. This dam is planned to have a live storage capacity of 8.23 Mm^3, entirely reserved for drinking water to rural demand in Khamnor, Railmagra and Rajsamand blocks in Rajsamand district and to rural demand in the Girwa block of Udaipur district.

In each of the Amet, Bhim, Deogarh and Khamnor blocks there is a minor dam (Kundali Dam, Kalkabhata Dam, Bhim Tank and Manohar Sagar respectively) from which water is kept reserved to recharge the wells of the area. The volume of water reserved is 1.50 Mm^3, 1.44 Mm^3, 3.00 Mm^3 and 0.54 Mm^3 respectively.

The industry in the Railmagra block has a present committed volume of 6.03 Mm^3 from Matrikundia, which is a diversion structure located at the border of the Railmagra block of Rajsamand district and the Rashmi block of Chittaurgarh district that diverts water to the Meja dam located in the Bhilwara district.

There are also committed volumes of water from the Nandsamand dam to Rajsamand (also called Kankroli) and Nathdwara towns, from Rajsamand dam to the industry in the same block and from a minor existing dam (Chikalwas Dam) to rural demand in Khamnor block. All the allocations entered in the WEAP tool are summarised in Appendix C-13.

There is no specific wildlife demand in Railmagra and Rajsamand blocks.

Figure C-5.55 The Rajsamand district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Rajsamand district is that there are small shortages, located in Bhim, Railmagra and Rajsamand blocks. For planning stage 2020, small shortages < 3 Mm^3 appear in the industrial sector and then there is also an unmet demand as regards domestic and livestock uses. The maximum non-agricultural unmet demand of the district is 28 Mm^3/yr, out of which ~ 5 Mm^3/yr for domestic use. Other main results are presented in the following paragraphs. Table C-5.28 shows the general water balance of Rajsamand district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-28".

Satisfaction of the non-agricultural demand:

Out of the 7 blocks of the Rajsamand district, 4 blocks have no unmet demand for non-agricultural uses, for all planning stages and dependability levels (see Figure C-5.56).

The blocks with shortages are Bhim, Railmagra and Rajsamand.

The Bhim block has no real shortages until planning stage 2060 and they are never high (~ 2 Mm^3 for all non-agricultural uses together).

In the Railmagra block, shortages only affect the industrial sector. There are small shortages of 2 Mm^3 in 2040 for a dependability level of 90% and in 2060 they vary between 1 Mm^3 and 10 Mm^3, depending on the dependability level.

In the Rajsamand block, there are shortages for domestic, livestock and industrial uses. They start in 2020 in the industrial sector and in 2040 for domestic and livestock uses. The maximum unmet demand of this block is 16 Mm^3/yr, out of which 4 Mm^3/yr for domestic use.

There is a proposed project aimed at transferring of surplus water from Anas river (Mahi basin) to Jaisamand Dam- 140.05 Mm^3/yr (Udaipur), Rajsamand Dam- 98.50

Mm^3/yr (Rajsamand), Meja Dam- 84.00 Mm^3/yr (Bhilwara) and Bisalpur Dam- 300.00 Mm^3/yr (Tonk) with estimated cost Rs. 3681.30 Crores. The above shortages will be fulfilled after implementation of this project.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 1% and 47%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA is <5% considering full potential cultivable area and between 7% and 34% considering the maximum area irrigated during past few years (2001-2010), depending on the planning stage and dependability level.

Excess of water:

There are no spills for a dependability level of 75% and for a dependability level of 50% there are little spills from the Nandsamand dam (< 8 Mm^3/yr) that are intercepted downstream at the Matrikundia diversion structure.

There is no excess of surface water stored in the dams for dependability level 75% and 50%.

There is no excess of groundwater for dependability level 75% and 50%.

Transfers of water between states, districts and blocks:

There is a little import of water (< 6 Mm^3/yr) from the Chittaurgarh district to the Rajsamand district (from Rashmi block to Railmagra adjacent block) via the Matrikundia diversion structure for industrial use.

There is a little export of water (< 1 Mm^3/yr) from the Rajsamand district to the Udaipur district (from Khamnor block to Girwa block) via the on-going minor dam Bageri Ka Naka for domestic use.

Inside of the Rajsamand district, there is a transfer of water from the Khamnor block to the Railmagra and Rajsamand blocks for rural domestic demand via the on-going minor dam Bageri Ka Naka.

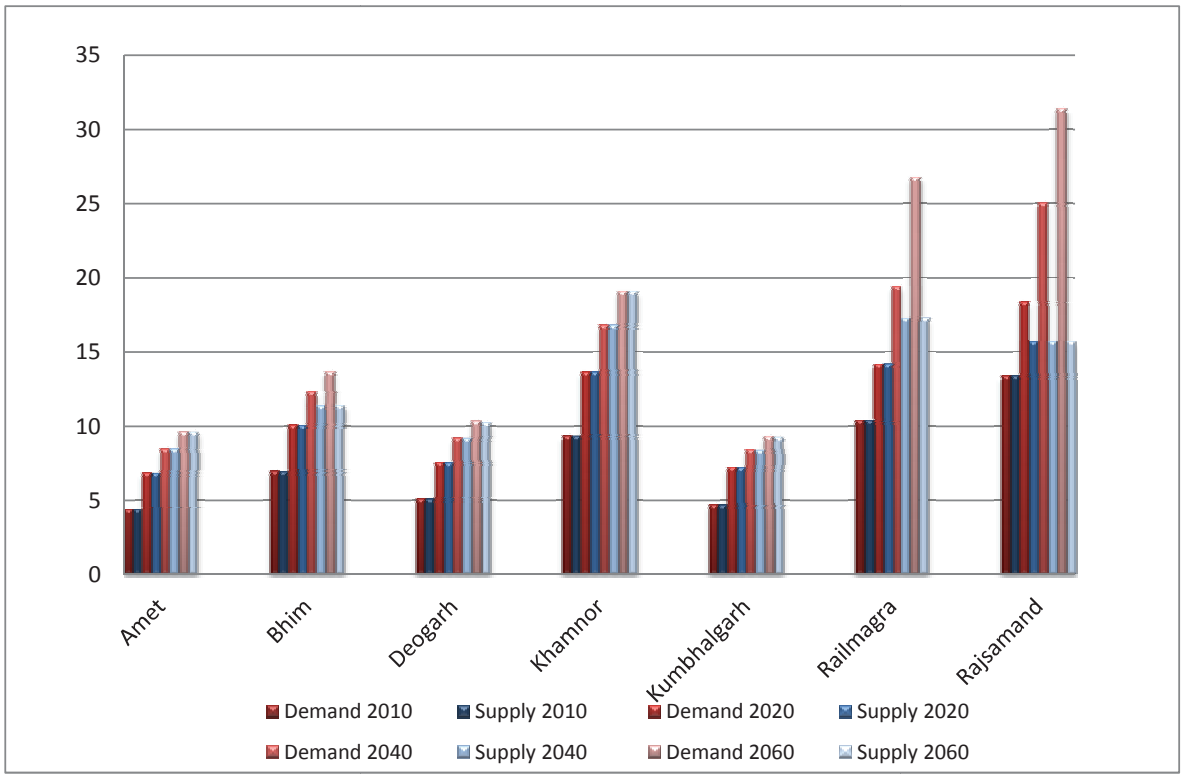
Table C-5.28 Rajsamand District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Rajsamand	2010	25%	233.73	110.29	54.34	130.75	1089.41	54.34	55.91	46.22	0.68	0.30	90.24	45.28	0.00	53.35	2.31	0.00
		50%	83.66	110.29	54.34	136.99	1141.46	54.34	24.65	41.56	0.00	0.00	43.63	26.01	0.00	5.76	1.99	0.00
		75%	16.47	110.29	54.34	148.18	1234.62	54.30	8.44	36.16	0.00	0.00	19.88	9.58	0.00	0.00	1.61	0.00
		90%	2.92	110.29	54.34	155.85	1298.61	54.29	7.41	32.93	0.00	0.00	17.29	1.28	0.00	0.00	0.00	0.00
	2020	25%	238.55	110.29	77.97	130.75	1089.41	77.97	61.73	38.38	6.33	0.39	63.37	49.36	0.00	54.13	2.81	0.00
		50%	85.39	110.29	77.97	136.99	1141.46	77.97	24.32	33.14	0.00	0.00	29.35	26.22	0.00	7.06	2.37	0.00
		75%	16.81	110.29	77.97	148.18	1234.62	75.67	6.79	25.75	0.00	0.00	11.18	9.50	0.00	0.19	1.99	0.00
		90%	2.98	110.29	77.97	155.85	1298.61	75.24	5.80	21.74	0.00	0.00	9.18	1.27	0.00	0.02	0.00	0.00
	2040	25%	238.55	110.29	99.69	130.75	1089.41	99.31	55.56	30.03	5.98	0.34	57.03	49.16	0.00	55.56	4.13	0.00
		50%	85.39	110.29	99.69	136.99	1141.46	93.55	21.10	25.13	0.00	0.00	24.37	26.48	0.00	8.48	3.43	0.00
		75%	16.81	110.29	99.69	148.18	1234.62	89.85	3.99	19.12	0.00	0.00	7.71	9.27	0.00	0.21	3.05	0.00
		90%	2.98	110.29	99.69	155.85	1298.61	87.21	2.96	15.64	0.00	0.00	6.20	1.24	0.00	0.03	0.00	0.00
	2060	25%	238.55	110.29	120.21	130.75	1089.41	112.13	50.72	27.10	5.58	0.00	53.28	48.48	0.00	57.34	5.79	0.00
		50%	85.39	110.29	120.21	136.99	1141.46	104.43	16.65	22.48	0.05	0.00	20.96	26.06	0.00	10.13	5.09	0.00
		75%	16.81	110.29	120.21	148.18	1234.62	97.81	2.24	15.97	0.00	0.00	6.07	9.01	0.00	0.21	4.22	0.00
		90%	2.98	110.29	120.21	155.85	1298.61	92.58	2.23	12.36	0.00	0.00	4.87	1.19	0.00	0.03	0.00	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

Figure C-5.56 Rajsamand District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-28.2

5.29 Sawai Madhopur

In this section, the water balance results of the WEAP simulation of the Sawai Madhopur district are presented. The Sawai Madhopur district is located in the east of the state of Rajasthan, bordered by the Karauli, Dausa, Tonk, Bundi and Kota districts (Figure C-5.57). The south-eastern boundary of the district borders the state of Madhya Pradesh. The Sawai Madhopur district lies within three river basins. Most of the district lies in the Banas River Basin and towards the South the Chambal and Banas River Basin, to the East the Parbati Basin and in the North the Banganga Basin.

The Sawai Madhopur district has no special features that require to be pointed out.

Figure C-5.57 The Sawai Madhopur district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Sawai Madhopur district is that there is no non-agricultural unmet demand and there is no significant surplus of water. Other main results are presented in the following paragraphs. Table C-5.29 shows the general water balance of Sawai Madhopur district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-29".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses (see Figure C-5.58).

There is an ongoing project by PHED, Rajasthan to cover 926 villages and four towns of Sawai Madhopur and Karauli district with an estimated cost of Rs. 468.18 Crores. This will further strengthen the drinking water supply scenario of Sawai Madhopur district.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 26% and 89%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 16% and 20% considering full potential cultivable area and between 26% and 33% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

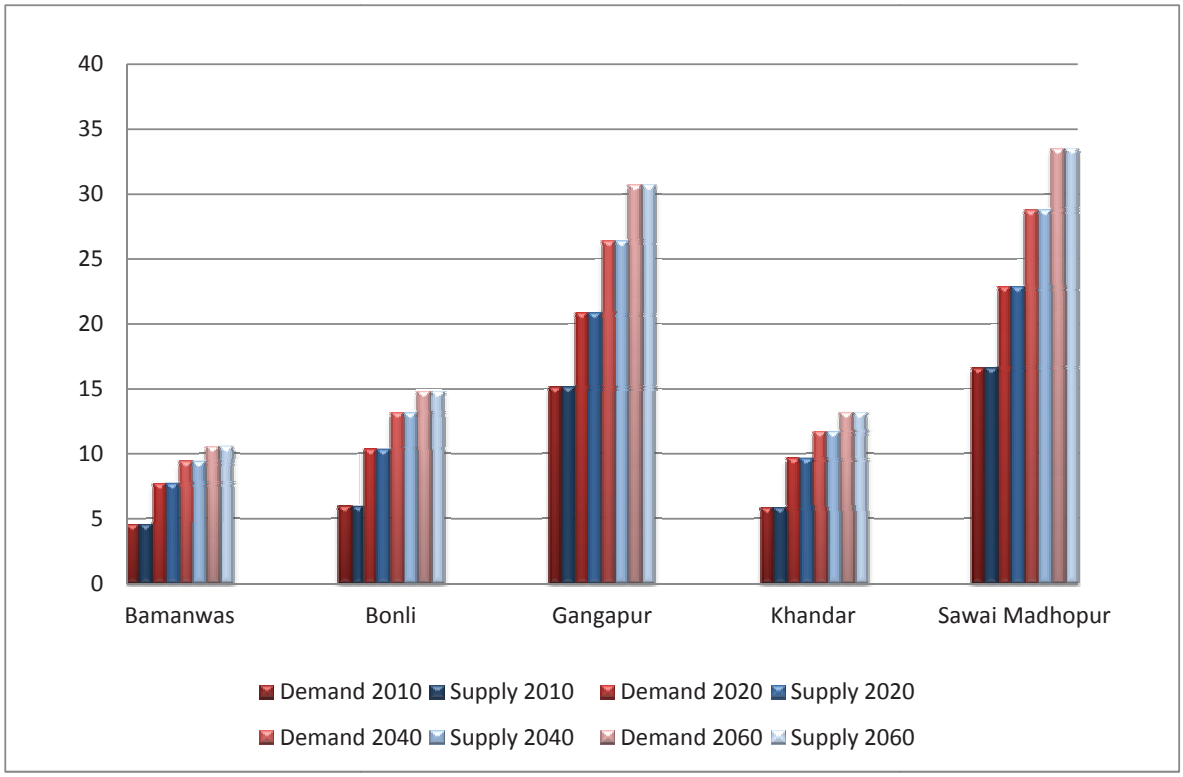
There is no relevant surplus of surface water or groundwater for dependability level 75% or 50%.

There is only 5 Mm^3/yr of spills at the Mansarovar dam for a dependability level of 50% and 14-18 Mm^3/yr of unutilised groundwater inside CCA for a dependability level of 50% distributed in different blocks.

Transfers of water between states, districts and blocks:

There is no export/import of water from/to the Sawai Madhopur district to other districts and between the different blocks of the Sawai Madhopur district for non-agricultural uses.

Figure C-5.58 Sawai Madhopur District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-29.2

Table C-5.29 Sawai Madhopur District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Sawai Madhopur	2010	25%	1040.24	352.34	48.19	173.69	866.87	48.19	127.25	175.72	93.14	16.33	263.67	91.24	606.29	4.90	34.15	0.00
		50%	294.11	352.34	48.19	175.15	874.14	48.19	107.66	175.29	30.76	14.39	224.37	65.41	4.38	3.32	27.31	0.00
		75%	89.45	352.34	48.19	177.30	884.90	48.19	64.31	174.36	3.84	0.00	124.45	27.87	0.01	0.52	1.75	0.00
		90%	31.60	352.34	48.19	178.53	891.01	48.19	45.97	172.14	1.66	0.00	95.10	21.45	0.00	0.00	0.57	0.00
	2020	25%	1040.24	352.34	71.49	173.69	866.87	71.49	154.14	171.45	104.89	22.58	183.13	102.62	605.99	5.76	29.46	0.00
		50%	294.11	352.34	71.49	175.15	874.14	71.49	131.56	171.45	36.08	17.89	159.51	73.36	4.57	4.11	23.58	0.00
		75%	89.45	352.34	71.49	177.30	884.90	71.49	74.54	169.90	1.89	0.00	97.17	27.96	0.01	0.63	1.80	0.00
		90%	31.60	352.34	71.49	178.53	891.01	71.49	49.76	167.16	1.53	0.00	73.63	20.98	0.01	0.00	0.61	0.00
	2040	25%	1040.24	352.34	89.53	173.69	866.87	89.53	151.84	159.24	102.21	20.63	175.85	99.53	614.15	5.53	25.93	0.00
		50%	294.11	352.34	89.53	175.15	874.14	89.53	133.34	159.21	33.47	17.83	157.14	70.00	4.98	4.49	23.53	0.00
		75%	89.45	352.34	89.53	177.30	884.90	89.53	75.56	157.41	0.85	0.00	94.05	25.29	0.01	0.86	1.77	0.00
		90%	31.60	352.34	89.53	178.53	891.01	89.53	51.60	154.04	0.73	0.00	71.04	17.35	0.01	0.22	0.58	0.00
	2060	25%	1040.24	352.34	102.83	173.69	866.87	102.83	148.00	150.64	101.32	20.31	169.07	97.02	623.34	4.99	24.96	0.00
		50%	294.11	352.34	102.83	175.15	874.14	102.83	132.94	150.42	32.04	17.74	153.79	69.28	5.36	4.52	22.48	0.00
		75%	89.45	352.34	102.83	177.30	884.90	102.83	75.04	148.51	0.62	0.00	90.62	24.95	0.01	0.90	1.69	0.00
		90%	31.60	352.34	102.83	178.53	891.01	102.83	51.85	144.42	0.55	0.00	68.07	16.46	0.02	0.25	0.51	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.30 Sikar

In this section, the water balance results of the WEAP simulation of the Sikar district are presented. The Sikar district is located in the North-East of Rajasthan, bordered by the Churu, Jhunjhunun, Jaipur and Nagaur districts (Figure C-5.59). The Sikar district also touches the Haryana State in the North-East corner. The Sikar district spreads over the Shekhawati River Basin and the Sabi River Basin. The North of the district is found outside any river basin in the arid region of the state defined as the "Outside Basin".

The main feature of Sikar district is its poor resource of surface water. There is no major/medium structure except the Raipur Patan dam in Neem Ka Thana block. Even this dam has a very poor inflow (~ 5 Mm^3/yr for a dependability level of 25%). The Dhond, Fatehpur and Sri Madhopur blocks have no minor dams. The Dhond block has not any surface water source.

Figure C-5.59 The Sikar district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Sikar district is that there are shortages in the Piprali block, where the Sikar town is located, for all future planning stages. The maximum non-agricultural unmet demand of the district is 28 Mm^3/yr. Other main results are presented in the following paragraphs. Table C-5.30 shows the general water balance of Sikar district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-30".

Satisfaction of the non-agricultural demand:

Out of the 8 blocks of the Sikar district, 7 blocks have no unmet demand for non-agricultural uses, for all planning stages and dependability levels (see Figure C-5.60).

The only block with shortages is the Piprali block. The shortages occur from planning stage 2020 and for all dependability levels. The unmet demand is approximately 10

Mm^3/yr, 20 Mm^3/yr and 30 Mm^3/yr, for planning stages 2020, 2040 and 2060 respectively. It affects both the domestic, livestock and industrial sectors. The domestic unmet demand is around 1 Mm^3/yr in 2020, 10 Mm^3/yr in 2040 and 18 Mm^3/yr in 2060. About 7-8 Mm^3/yr shortages can be reduced by considering reduction in losses in water supply system but still 10 Mm^3 shortage will be there in 2060.

There is a proposal, Fatehpur-Laxmangarh Project, to provide safe drinking water to the 3 towns (Fatehpur, Laxmangarh and Ramgarh) and 286 villages of Sikar district with IGNP as source. The estimated cost of the project is Rs. 832.00 Crores. To solve the shortage problem of Piprali block this proposal should include supply to Sikar town and villages of Piprali block also.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 7% and 68%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 3% and 9% considering full potential cultivable area and between 8% and 20% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

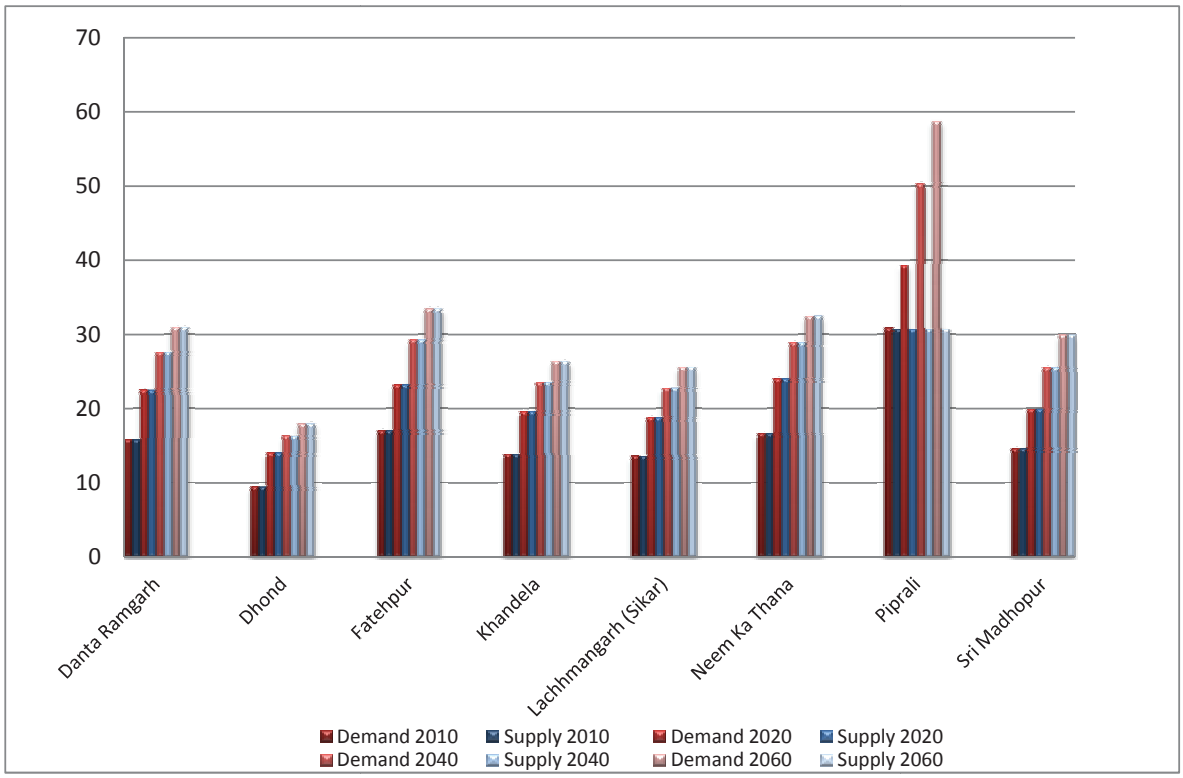
Excess of water:

There are no excess of surface water or unutilised groundwater in the district for any dependability level and year.

Transfers of water between states, districts and blocks:

There is no export/import of water from/to the Sikar and between the different blocks of the Sikar district for any use.

Figure C-5.60 Sikar District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-30.2

Table C-5.30 Sikar District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Sikar	2010	25%	43.84	308.00	131.85	19.45	1417.30	131.85	11.29	128.52	0.39	0.35	69.32	10.12	0.00	0.00	0.00	0.00
		50%	23.54	308.00	131.85	20.51	1494.31	131.85	5.87	126.79	0.24	0.00	60.25	6.55	0.00	0.00	0.00	0.00
		75%	7.31	308.00	131.85	22.62	1647.72	131.85	2.42	123.43	0.00	0.00	53.94	3.67	0.00	0.00	0.00	0.00
		90%	4.06	308.00	131.85	23.91	1742.12	131.67	2.41	122.68	0.00	0.00	53.61	1.68	0.00	0.00	0.00	0.00
	2020	25%	44.35	308.00	181.38	20.24	1416.51	174.73	13.70	106.50	0.00	0.35	46.68	10.39	0.00	0.00	0.00	0.00
		50%	23.82	308.00	181.38	21.34	1493.48	173.75	6.62	105.29	0.00	0.00	39.65	6.50	0.00	0.00	0.00	0.00
		75%	7.39	308.00	181.38	23.53	1646.81	172.91	2.62	101.57	0.00	0.00	34.74	3.54	0.00	0.00	0.00	0.00
		90%	4.11	308.00	181.38	24.88	1741.16	172.73	2.60	100.74	0.00	0.00	34.45	1.59	0.00	0.00	0.00	0.00
	2040	25%	44.35	308.00	224.20	20.24	1416.51	206.65	13.39	83.65	0.00	0.34	38.79	9.52	0.00	0.00	0.00	0.00
		50%	23.82	308.00	224.20	21.34	1493.48	205.59	6.34	82.31	0.00	0.00	31.75	5.83	0.00	0.00	0.00	0.00
		75%	7.39	308.00	224.20	23.53	1646.81	204.73	2.83	77.89	0.00	0.00	27.05	2.89	0.00	0.00	0.00	0.00
		90%	4.11	308.00	224.20	24.88	1741.16	204.55	2.63	77.06	0.00	0.00	26.58	1.29	0.00	0.00	0.00	0.00
	2060	25%	44.35	308.00	255.26	20.24	1416.51	229.33	12.85	67.57	0.00	0.27	32.91	9.41	0.00	0.00	0.00	0.00
		50%	23.82	308.00	255.26	21.34	1493.48	228.32	6.04	65.87	0.00	0.00	26.01	5.58	0.00	0.00	0.00	0.00
		75%	7.39	308.00	255.26	23.53	1646.81	227.41	2.34	61.59	0.00	0.00	21.46	2.59	0.00	0.00	0.00	0.00
		90%	4.11	308.00	255.26	24.88	1741.16	227.23	1.84	60.98	0.00	0.00	20.96	1.09	0.00	0.00	0.00	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.31 Sirohi

In this section, the water balance results of the WEAP simulation of the Sirohi district are presented. The Sirohi district is located in the South West of the state of Rajasthan, bordered by the Jalore, Pali and Udaipur districts (Figure C-5.61). The district shares its Southern border with the Gujarat State. The Sirohi district spreads over four river basins. Most of the district lies in the Luni River Basin and towards the South the Other Nallah, Sukli and West Banas River Basins.

The special feature of the Sirohi district is the import of water for Sheoganj town from the Pali district via the Jawai Bund (the town and the dam are both located near the border of the Sirohi and Pali districts). In addition, there is an ongoing minor dam, Bhaisa Singh, located in the Abu Road block and with a live storage capacity of 5.07 Mm^3 and a CCA 419 ha respectively.

Figure C-5.61 The Sirohi district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Sirohi district is that there is no non-agricultural unmet demand and there is no excess water. Other main results are presented in the following paragraphs. Table C-5.31 shows the general water balance of Sirohi district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-31".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses in any block (see Figure C-5.62).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 13% and 84%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 10% and 16% considering full potential cultivable area and between 32% and 48% considering the maximum area irrigated during past few years (2000-2010), depending on the planning stage and dependability level.

Excess of water:

There is no excess water for a dependability level of 75% or 50%.

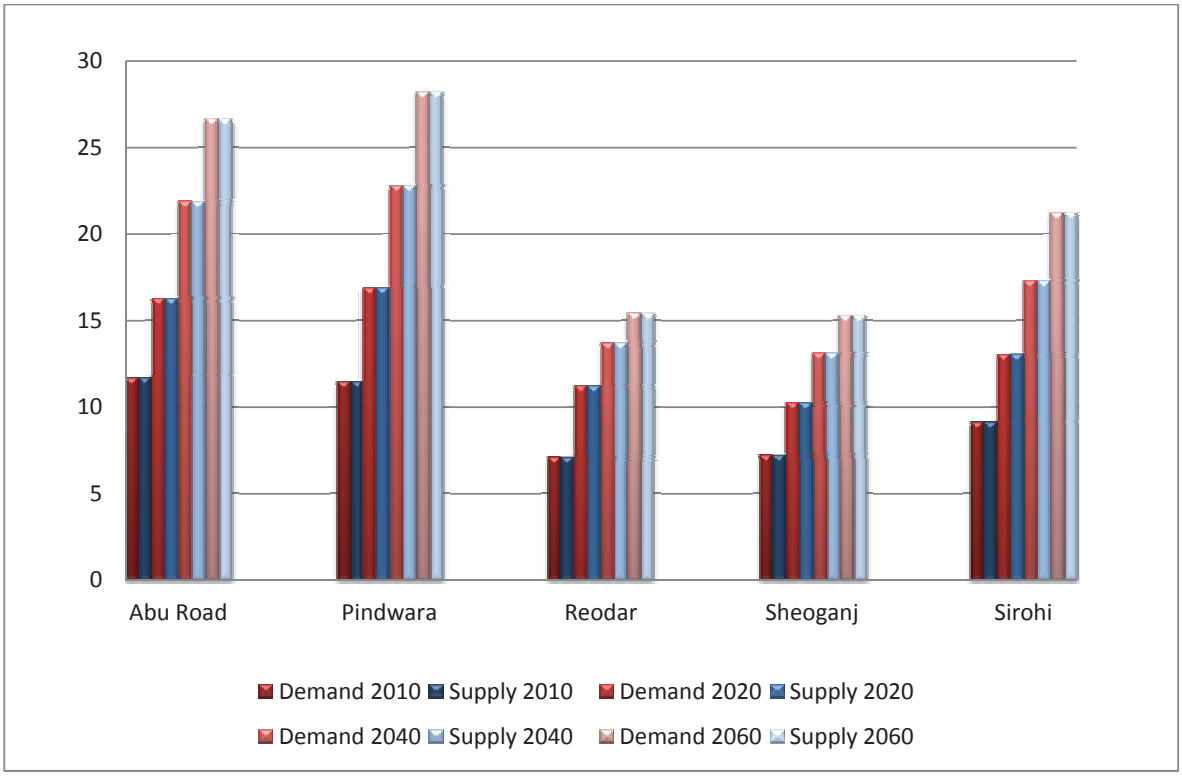
Transfers of water between states, districts and blocks:

There is a little import of water from the Sumerpur block of Pali district to the Sheoganj block of the Sirohi district via Jawai Bund for domestic use in Sheoganj town (< 4 Mm^3/yr).

There is no export of water from the Sirohi district to other districts.

Inside of the Sirohi district itself there are only transfers associated to irrigation.

Figure C-5.62 Sirohi District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-31.2

Table C-5.31 Sirohi District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Sirohi	2010	25%	422.31	253.99	46.70	140.45	860.60	46.70	112.99	133.58	25.80	11.94	205.28	43.68	97.27	0.00	0.95	0.00
		50%	141.38	253.99	46.70	143.64	880.15	46.70	65.01	132.30	4.67	0.00	126.22	21.41	0.00	0.00	0.95	0.00
		75%	35.73	253.99	46.70	149.56	916.40	46.70	25.43	130.41	2.20	0.00	71.50	14.20	0.00	0.00	0.73	0.00
		90%	10.69	253.99	46.70	153.42	940.06	46.70	20.28	127.29	1.12	0.00	63.28	6.11	0.01	0.00	0.12	0.00
	2020	25%	428.97	253.99	67.77	141.85	859.20	67.77	119.51	128.54	55.15	17.89	143.19	51.99	100.45	0.00	1.52	0.00
		50%	143.61	253.99	67.77	145.08	878.71	67.77	76.33	126.94	4.43	4.20	96.79	22.66	0.01	0.00	1.52	0.00
		75%	36.29	253.99	67.77	151.05	914.91	67.77	28.24	124.56	1.92	0.00	53.88	14.67	0.00	0.00	0.77	0.00
		90%	10.86	253.99	67.77	154.95	938.52	67.77	21.85	120.60	1.12	0.00	47.51	6.12	0.01	0.00	0.14	0.00
	2040	25%	428.97	253.99	88.89	141.85	859.20	88.89	119.40	115.10	51.68	17.69	138.51	51.39	102.90	0.00	2.60	0.00
		50%	143.61	253.99	88.89	145.08	878.71	88.89	75.94	113.31	3.29	4.48	92.01	22.27	0.00	0.00	2.60	0.00
		75%	36.29	253.99	88.89	151.05	914.91	88.89	28.10	109.65	1.25	0.00	48.70	14.57	0.00	0.00	0.89	0.00
		90%	10.86	253.99	88.89	154.95	938.52	88.89	21.88	105.00	1.12	0.00	42.34	5.77	0.01	0.00	0.16	0.00
	2060	25%	428.97	253.99	106.92	141.85	859.20	106.92	119.09	103.56	48.53	17.71	134.36	50.93	105.24	0.00	3.37	0.00
		50%	143.61	253.99	106.92	145.08	878.71	106.92	75.57	101.56	2.34	4.48	87.80	22.30	0.00	0.00	3.37	0.00
		75%	36.29	253.99	106.92	151.05	914.91	106.92	26.89	97.89	0.58	0.00	44.26	14.70	0.01	0.00	0.96	0.00
		90%	10.86	253.99	106.92	154.95	938.52	106.89	19.60	94.38	0.48	0.00	38.17	5.48	0.01	0.00	0.17	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.32 Tonk

In this section, the water balance results of the WEAP simulation of the Tonk district are presented. The Tonk district is located in the south-east of the center of Rajasthan, bordered by the Ajmer, Bhilwara, Bundi, Sawai Madhopur, Jaipur and Sawai Madhopur districts (Figure C-5.63). The Tonk district spreads over two river basins. Most of the district lies in the Banas River Basin and towards the South the Chambal River Basin.

The special feature of the Tonk district is its Bisalpur dam, located in Banas basin and Deoli block. The Bisalpur dam is one of the biggest dams of the Rajasthan State. It has a gross storage capacity of 1096 Mm^3, a CCA of 81800 Ha and an annual inflow that reaches 1120 Mm^3 for a dependability level of 25%. A part of its CCA is common with the CCA of the Moti Sagar dam. Inside the Tonk district, the water from Bisalpur dam is utilised for irrigation in Deoli, Niwai, Todaraisingh and Uniara blocks and for domestic supply to Malpura, Niwai and Todaraisingh towns; it is also used in Jaipur, Ajmer and Bhilwara districts where the water is exported for domestic use, according to the Bisalpur Water Supply Scheme.

Figure C-5.63 The Tonk district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Tonk district is that there is no non-agricultural unmet demand for any dependability level and there is no surplus for a dependability level of 75%. There is only about 10-20 Mm^3/yr of spills for a dependability level of 50%, located at the Mashi and the Galwania dams. Other main results are presented in the following paragraphs. Table C-5.32 shows the general water balance of Tonk district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-32".

Satisfaction of the non-agricultural demand:

For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses (see Figure C-5.64).

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 20% and 96%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 12% and 15% considering full potential cultivable area and between 34% and 42% considering the maximum area irrigated during past few years (2003-2010), depending on the planning stage and dependability level.

Excess of water:

There are no spills for a dependability level of 75%. For a dependability level of 50%, there is a total of about 10-20 Mm^3/yr of spills, located at the Mashi and the Galwania dams.

No excess water is stored above the dead storage in the major/medium dams of the Tonk district for a dependability level of 75% or 50%

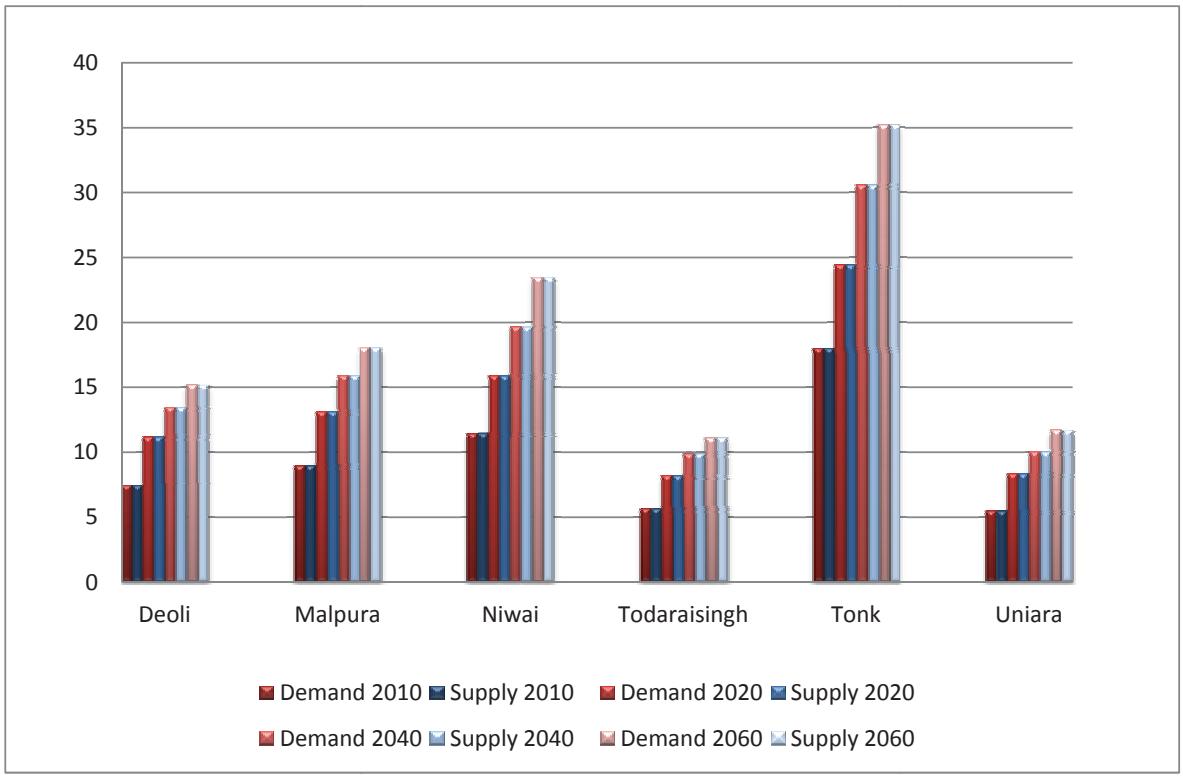
There is no unutilised groundwater inside CCA for a dependability level of 75%. For a dependability level of 50% and in future planning stages, there is a district-wise total unutilised groundwater inside CCA of approximately 20 Mm^3/yr, but it is distributed in the different blocks.

There is no unutilised groundwater outside CCA.

Transfers of water between states, districts and blocks:

There is a very big export of water associated to the Bisalpur Water Supply Scheme. Water from the Bisalpur dam (located in the Tonk district) is mainly exported to the Jaipur and Ajmer districts, for domestic use (Bhilwara district is also included in this scheme but receives a quantity < 1 Mm^3/yr). Jaipur City is the main city supplied by this scheme. The maximum total quantity exported from Bisalpur dam for non-agricultural uses is about 360 Mm^3/yr, 420 Mm^3/yr and 430 Mm^3/yr, for planning stages 2020, 2040 and 2060 respectively.

Figure C-5.64 Tonk District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-32.2

Table C-5.32 Tonk District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Tonk	2010	25%	1839.62	430.26	57.06	448.28	1230.98	57.06	412.76	181.90	503.45	98.10	562.89	371.37	308.92	234.48	461.04	0.00
		50%	810.21	430.26	57.06	451.29	1239.25	57.06	268.87	180.84	45.58	11.73	348.68	170.63	6.64	266.74	116.30	0.00
		75%	397.93	430.26	57.06	457.17	1255.38	56.84	129.05	178.34	0.08	0.00	166.55	72.91	0.01	224.65	0.25	0.00
		90%	83.21	430.26	57.06	460.18	1263.65	57.05	94.74	173.04	0.06	0.00	116.11	25.37	0.11	47.00	0.02	0.00
	2020	25%	1835.97	430.26	81.18	448.28	1230.98	81.18	429.58	181.92	483.63	100.26	440.09	361.49	313.34	339.26	464.53	0.00
		50%	808.80	430.26	81.18	451.29	1239.25	81.18	237.72	181.22	47.25	22.60	230.75	175.23	9.13	371.69	117.71	0.00
		75%	396.65	430.26	81.18	457.17	1255.38	81.01	142.08	178.22	0.02	0.00	131.75	68.65	0.01	226.71	1.53	0.00
		90%	83.21	430.26	81.18	460.18	1263.65	81.18	98.59	0.73	0.01	.00	90.83	24.63	0.01	47.51	0.01	0.00
	2040	25%	1822.31	430.26	99.50	448.28	1230.98	99.50	427.39	175.69	401.06	98.92	435.72	345.82	319.73	426.92	478.18	0.00
		50%	801.76	430.26	99.50	451.29	1239.25	99.50	222.57	174.80	22.73	23.66	215.72	159.21	13.68	424.90	124.75	0.00
		75%	394.10	430.26	99.50	457.17	1255.38	99.37	139.59	170.49	0.00	0.00	127.75	62.05	0.01	229.18	4.09	0.00
		90%	83.20	430.26	99.50	460.18	1263.65	99.49	94.79	161.20	0.00	0.00	86.43	23.94	0.01	47.62	0.02	0.00
	2060	25%	1810.73	430.26	114.69	448.28	1230.98	114.69	425.03	171.07	386.27	98.00	431.79	335.33	327.72	440.86	489.76	0.00
		50%	794.61	430.26	114.69	451.29	1239.25	114.69	211.12	169.96	21.41	21.89	203.25	156.57	18.92	438.96	131.90	0.00
		75%	391.54	430.26	114.69	457.17	1255.38	114.55	135.22	164.21	0.00	0.00	123.32	59.89	0.01	231.25	6.64	0.00
		90%	83.21	430.26	114.69	460.18	1263.65	114.68	91.77	153.42	0.00	0.00	82.74	23.31	0.01	47.56	0.01	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

5.33 Udaipur

In this section, the water balance results of the WEAP simulation of the Udaipur district are presented. The Udaipur district is located in the south of Rajasthan, bordered by the Sirohi, Pali, Rajsamand, Chittaurgarh, Pratapgarh and Dungarpur districts (Figure C-5.65). The district shares a border with the Gujarat State. The Udaipur district spreads over four river basins. The South-east is in the Mahi River Basin, the North east is in the Banas River Basin, the west is in the Sabarmati River Basin and the north-west touches the Luni River Basin.

The special features of the Udaipur district are presented in the following paragraphs.

There is an on-going minor dam, Bageri Ka Naka, located in the Khamnor block of the Rajsamand district, which exports water to rural demand in the Girwa block of Udaipur district.

There are two on-going minor dams located in the Kotra block: Mamer Irrig. Project and Sabarmati Irrig. Project. Their live storage capacity is approximately 2 Mm^3 and 17 Mm^3 respectively and their CCA 336 ha and 956 ha respectively.

There are committed volumes of water especially from the Jaisamand major dam (which is different from the Jai Samand Bund in Alwar district) but also from Udai Sagar medium dam and other minor dams for domestic and industrial uses. The surface water sources considered for the present domestic supply to the Udaipur City are the Jaisamand dam, the Mansi Wakal dam, the Dewas Stage-I dam, the Pichhola lake and the Fateh sagar lake. All allocations entered in the WEAP tool are summarised in Appendix C-13.

Figure C-5.65 The Udaipur district

According to the WEAP simulation, the main conclusion that can be drawn for the water system in the Udaipur district is that there are shortages, mainly in the Girwa

block, where the Udaipur City is located. The non-agricultural demand is entirely met only for a dependability level of 25% and 50% at present and for a dependability level of 25% in planning stage 2020. The maximum total unmet demand for non-agricultural uses in Udaipur district is 115 Mm^3/yr, out of which about 50 Mm^3/yr of domestic unmet demand in Udaipur City. Other main results are presented in the following paragraphs. Table C-5.33 shows the general water balance of Udaipur district. Detailed district-wise and block-wise results are given in Appendix C-14, in the tables whose label begins with "C-14-33".

Satisfaction of the non-agricultural demand:

Out of the 12 blocks of the Udaipur district, 10 blocks have no unmet demand for non-agricultural uses, for all planning stages and dependability levels. The 2 blocks where shortages occur are Bargaon and Girwa (see Figure C-5.66).

In the Bargaon block, there is only a little unmet demand (~ 4 Mm^3/yr) for dependability level 75% and 90% starting from planning stage 2040.

In the Girwa block, where the Udaipur City is located, non-agricultural shortages are due to domestic and industrial demand. According to the WEAP simulation, non-agricultural shortages currently occur for a dependability level of 75% and 90%. In planning stage 2020, the demand is entirely met only for a dependability level of 25% and in other planning stages there are shortages for all dependability levels. The domestic demand is currently almost fully satisfied but in 2020 and 2040 it is only satisfied for dependability level 25% and 50%, and in 2060 it is satisfied only for a dependability level of 25%. The maximum non-agricultural unmet demand in the block in 2020, 2040 and 2060 is 46 Mm^3/yr, 77 Mm^3/yr and 111 Mm^3/yr respectively. Out of this 20 Mm^3/yr, 38 Mm^3/yr and 51 Mm^3/yr are due to shortages in Udaipur city domestic water supply.

This is with consideration that there will be 30% losses in urban water supply. If it is considered that with proper management the losses can be reduced to 20% in 2020 and 10% in 2040 and 2060, the unmet drinking water demand of Udaipur city at 90% dependability will reduce to 10 Mm^3/yr, 25 Mm^3/yr and 35 Mm^3/yr in 2020, 2040 and 2060 respectively.

There is an ongoing project Dewas Stage-II which consists of construction of two dams (total storage capacity 10.97 Mm^3) near Akodra and Madri villages of Jhadol and Girwa tehsils, respectively of Udaipur district to augment drinking water supply to Udaipur city. The estimated cost of the project is Rs. 379.19 Crores. The Dewas Stage-III is proposed near village Nathiyathal, under this a dam of 13.08 Mm^3 and a 11.05 km long tunnel is to be constructed. Near village Ambawa is proposed the last and fourth Stage of the project in which a dam with a capacity of 15.26 Mm^3 and a tunnel 4.30 km long will be built. The estimated cost of the project is Rs. 568.15 Crores. Also, there is a proposed project aimed at transferring of surplus water from Anas river (Mahi basin) to Jaisamand Dam- 140.05 Mm^3/yr (Udaipur), Rajsamand Dam- 98.50 Mm^3/yr (Rajsamand), Meja Dam- 84.00 Mm^3/yr (Bhilwara) and Bisalpur Dam- 300.00 Mm^3/yr (Tonk) with estimated cost Rs. 3681.30 Crores. There is another proposed project to transfer 131.93 Mm^3/yr water from Jakham Dam to Jaisamand Dam (Udaipur), which will further strengthen the water supply scenario in Udaipur district. The total estimated cost of project is Rs. 85.82 Crores. The above shortages will be fulfilled after implementation of these projects.

Supply coverage of the agricultural demand:

The district-wise supply coverage of agricultural demand inside CCA varies between 10% and 71%, depending on the planning stage and dependability level. The district-wise supply coverage of agricultural demand outside CCA varies between 2% and 7% considering full potential cultivable area and between 11% and 41% considering the maximum area irrigated during past few years (2002-2010), depending on the planning stage and dependability level.

Excess of water:

There is no excess of surface water stored in the dams above the dead storage for dependability level 75% and 50% but in the dead storage of the Jaisamand dam there is an excess for a dependability level of 50%, which varies between 29 Mm^3/yr and 68 Mm^3/yr, depending on the planning stage.

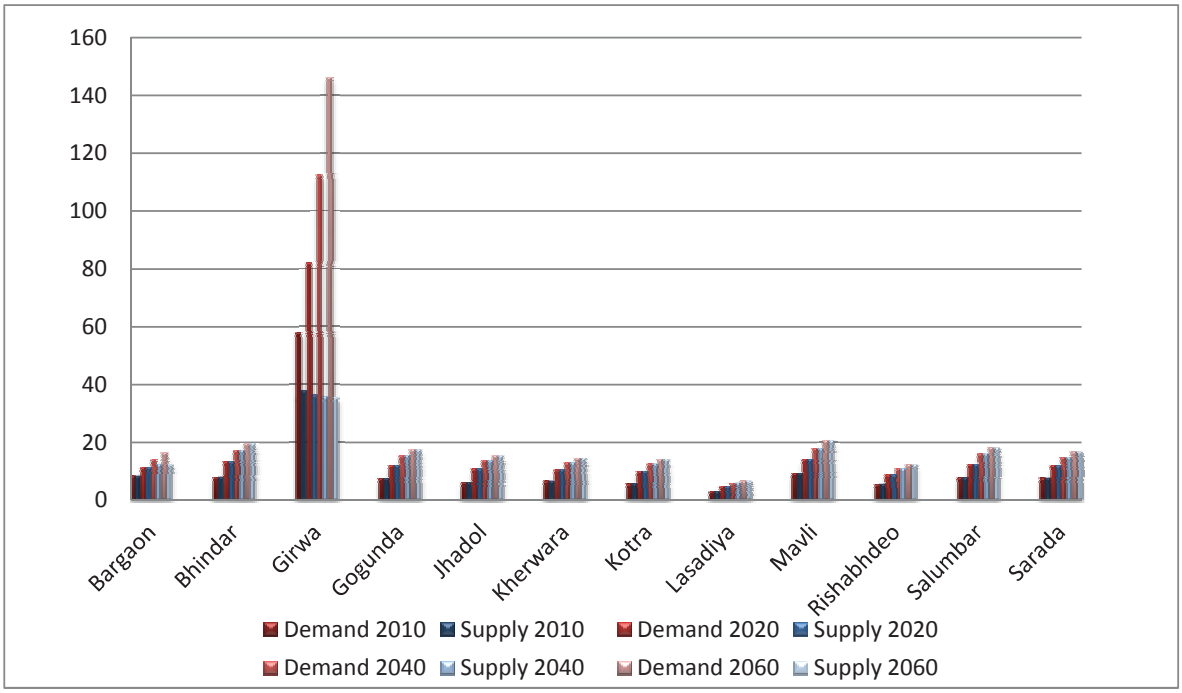
There are no spills from the major/medium dams for a dependability level of 75% or 50%.

There is no unutilised groundwater for a dependability level of 75% and 50%.

Transfers of water between states, districts and blocks:

There is an import from the Bageri Ka Naka on-going minor dam in the Rajsamand district to the Udaipur district for rural demand in the Girwa block but it is very small (< 1 Mm^3/yr). There is no export of water from the Udaipur district to other districts for non-agricultural uses. Between the different blocks of the Udaipur district there are several transfers for domestic use. Most of them represent a committed volume of water from the Jaisamand dam.

Figure C-5.66 Udaipur District: Block-wise Non-Agricultural Demand and Supply for a Dependability Level of 90%, in Mm^3/yr



Source of data: Appendix C-14, Table C-14-33.2

Table C-5.33 Udaipur District: General Water Balance

District	Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (16)
			SW (inflows) (1)	GW (recharge) (2)	Non agriculture (3)	A in (4)	A out (5)	Non agriculture (6)	A in (7)	A out (8)	SW (including Dead Storage) (9)	GW (10)	Irrigation losses (11)	Evaporation (12)	Spills (13)	Export (14)	Import (15)	
Udaipur	2010	25%	654.04	262.44	133.38	247.75	1568.15	133.38	151.24	117.07	105.05	6.46	259.88	114.85	0.00	28.55	0.00	0.00
		50%	263.59	262.44	133.38	248.71	1574.23	133.38	61.32	104.29	67.87	0.00	98.89	58.83	0.00	1.44	0.00	0.00
		75%	46.73	262.44	133.38	250.93	1588.26	126.03	31.17	85.41	0.88	0.00	49.97	15.70	0.01	0.00	0.00	0.00
		90%	12.78	262.44	133.38	251.89	1594.34	113.20	30.93	81.37	0.00	0.00	48.13	1.59	0.00	0.00	0.00	0.00
	2020	25%	665.43	262.43	202.41	252.08	1563.82	202.41	179.79	93.63	109.72	8.89	182.97	121.00	0.01	29.93	0.49	0.00
		50%	268.19	262.43	202.41	253.06	1569.88	199.88	68.45	80.54	51.22	0.00	70.75	58.51	0.01	1.74	0.49	0.00
		75%	47.54	262.43	202.41	255.32	1583.87	170.19	31.32	61.93	0.30	0.00	31.31	15.07	0.01	0.00	0.16	0.00
		90%	13.00	262.43	202.41	256.29	1589.94	156.65	30.68	57.19	0.00	0.00	29.29	1.63	0.00	0.00	0.02	0.00
	2040	25%	665.43	262.43	263.66	252.08	1563.82	258.52	174.60	68.74	104.23	4.35	169.08	115.58	0.01	33.22	0.49	0.00
		50%	268.19	262.43	263.66	253.06	1569.88	239.89	65.90	66.06	37.83	0.00	64.60	54.62	0.00	2.20	0.49	0.00
		75%	47.54	262.43	263.66	255.32	1583.87	200.51	29.45	42.73	0.00	0.00	24.57	12.86	0.00	0.01	0.17	0.00
		90%	13.00	262.43	263.66	256.29	1589.94	185.09	28.44	38.37	0.00	0.00	22.34	1.21	0.00	0.00	0.02	0.00
	2060	25%	665.43	262.43	317.55	252.08	1563.82	285.16	168.94	59.35	101.70	3.31	160.57	113.05	0.01	36.26	0.49	0.00
		50%	268.19	262.43	317.55	253.06	1569.88	266.51	62.96	56.85	29.30	0.00	59.61	53.68	0.00	2.20	0.49	0.00
		75%	47.54	262.43	317.55	255.32	1583.87	219.56	27.79	30.96	0.00	0.00	20.10	11.72	0.01	0.01	0.17	0.00
		90%	13.00	262.43	317.55	256.29	1589.94	202.64	25.93	27.82	0.00	0.00	17.98	1.08	0.00	0.00	0.02	0.00

SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data: same methodology as for the Ajmer district, which is explained in Appendix C-14, Table C-14-01.16

6. State-wise Analysis and Conclusions

6.1 State-wise Water Balance

From the 33 simulations realised for the 33 districts of the Rajasthan State, a state-wise water balance of the Rajasthan State has been realised for planning stages 2010, 2020, 2040, 2060 and for dependability levels 25%, 50%, 75%, 90%. The water balance for those 16 scenarios is presented in Table C-6.1.

In the below state-wise water balance, the meaning of the different categories is the same as for the district-wise and block-wise water balances presented in the results section. Some special points are explained again here:

- The column "Source – SW (inflows)" includes also the inflows of minor structures
- The agricultural demand and supply are the net demand and supply
- The excess of surface water represents the water stored in the major, medium and minor structures, including the dead storage; it does not include the spills (which are accounted in losses) and the surplus outside of the Rajasthan State (surplus from canals and surplus in the Gandhi dam)
- The transfers represent only transfers between States (not between the different districts and blocks of the Rajasthan State)

An analysis of the main results of this State-wise water balance is conducted in the following sections.

Table C-6.1 State-Wise Water Balance of Rajasthan

Planning Stage	Dependability %	Source (Mm^3/yr)		Demand (Mm^3/yr)			Supply (Mm^3/yr)			Excess (Mm^3/yr)		Losses (Mm^3/yr)			Gross Transfers (Mm^3/yr)		Balance (Mm^3/yr)
		SW (inflows)	GW (recharge)	Non agriculture	A in	A out	Non agriculture	A in	A out	SW (including Dead Storage)	GW	Irrigation losses	Evaporation	Spills	Export	Import	
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2010	25%	29,375	10,615	3,653	11,882	45,687	3,630	9,287	4,643	4,209	872	15,390	2,947	12,791	3,785	17,565	0
	50%	15,677	10,615	3,653	12,437	47,115	3,625	7,952	4,582	2,266	294	12,765	1,812	4,951	3,176	15,132	0
	75%	7,908	10,615	3,653	13,448	49,802	3,560	6,039	4,435	1,695	72	9,446	1,147	1,772	2,015	11,659	0
	90%	3,546	10,615	3,653	14,107	51,470	3,396	4,865	4,326	1,530	20	7,542	604	915	853	9,890	0
2020	25%	29,677	10,618	5,629	13,459	45,063	5,459	11,615	4,317	4,689	1,437	11,486	3,101	12,564	3,157	17,531	0
	50%	15,865	10,618	5,629	14,100	46,482	5,449	10,067	4,248	2,564	768	9,800	1,919	4,633	3,158	16,122	0
	75%	8,018	10,618	5,629	15,253	49,153	5,274	8,077	4,054	1,604	105	7,622	1,166	1,636	2,098	13,000	0
	90%	3,602	10,618	5,629	16,007	50,812	5,081	6,389	3,939	1,318	31	6,045	587	836	990	10,997	0
2040	25%	29,708	10,613	7,379	13,459	45,063	6,997	11,542	3,843	4,413	1,333	11,242	3,014	12,538	3,358	17,960	0
	50%	15,907	10,613	7,379	14,100	46,482	6,923	9,945	3,776	2,297	719	9,539	1,846	4,566	3,357	16,448	0
	75%	8,070	10,613	7,379	15,253	49,153	6,653	7,879	3,558	1,407	100	7,306	1,122	1,642	2,218	13,202	0
	90%	3,659	10,613	7,379	16,007	50,812	6,418	6,203	3,445	1,097	29	5,748	565	839	1,129	11,202	0
2060	25%	29,737	10,613	8,962	13,459	45,063	8,279	11,440	3,521	4,188	1,243	11,021	2,989	12,418	3,610	18,359	0
	50%	15,947	10,613	8,962	14,100	46,482	8,197	9,809	3,446	1,986	654	9,298	1,847	4,470	3,573	16,720	0
	75%	8,121	10,613	8,962	15,253	49,153	7,881	7,647	3,215	1,123	97	7,004	1,101	1,649	2,375	13,358	0
	90%	3,715	10,613	8,962	16,007	50,812	7,607	5,987	3,093	885	28	5,458	546	841	1,249	11,365	0

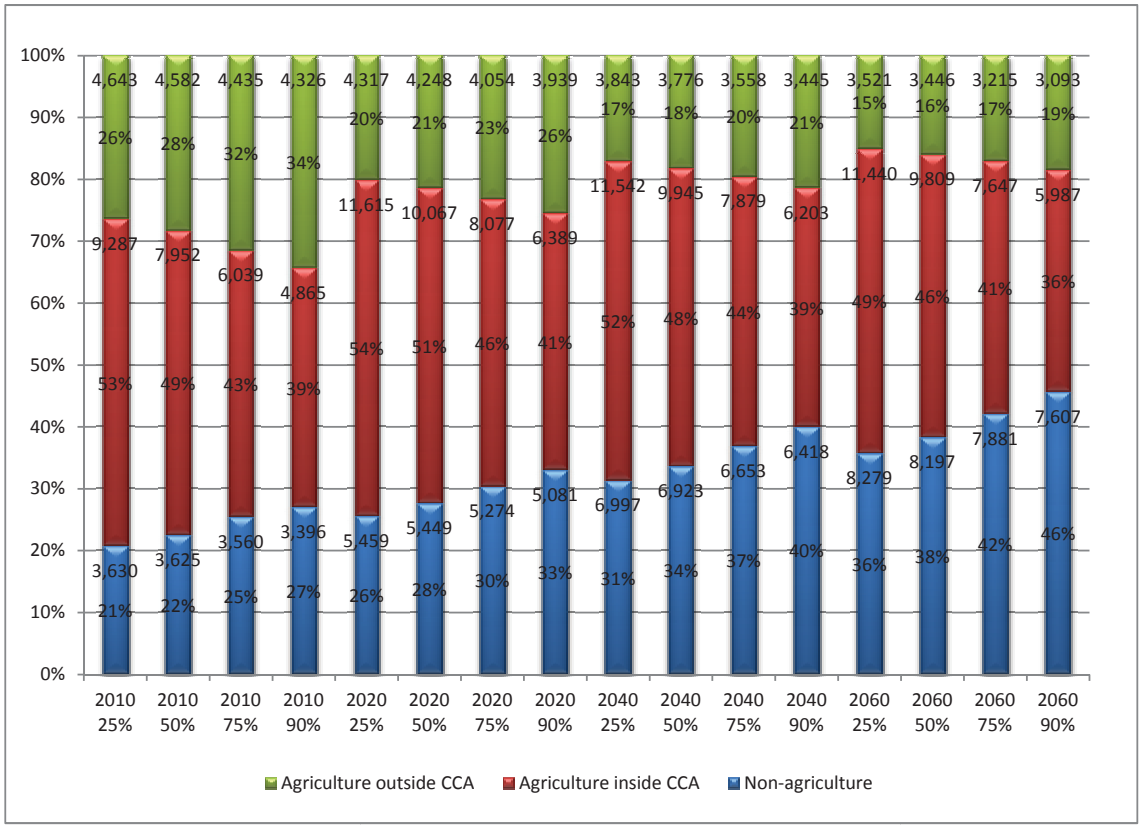
SW: Surface Water; GW: Ground Water; A in: Agriculture inside CCA of SW projects; A out: Agriculture outside CCA of SW projects

Source of data:
(1) to (13) = sum of the corresponding cells in the 33 district-wise water balances (Tables C-5.01 to C-5.33)
(14) = sum of the gross transfers to the Gujarat and to the Madhya Pradesh States (Appendix C-14, Table C-14-03.15 and Table C-14-24.15)
(15) = sum of the gross transfers from outside of Rajasthan (Gandhi dam and canals) (Appendix C-14, Tables C-14-i.15, with i = {10,05,06,08,11,15,16,18,19,22,25}
(16) = (1) + (2) – (6) – (7) – (8) – (9) – (10) – (11) – (12) – (13) – (14) + (15)

6.2 Supply

From the water balance presented, the percentage distribution of the total water supply between non-agricultural uses, agriculture inside CCA and agriculture outside CCA has been calculated. The results for each planning stage and dependability level are given in Figure C-6.1.

Figure C-6.1 Distribution of the total supply between non-agricultural uses, agriculture inside CCA and agriculture outside CCA in Mm^3/yr and associated percentages



Source of data: Table C-6.1.

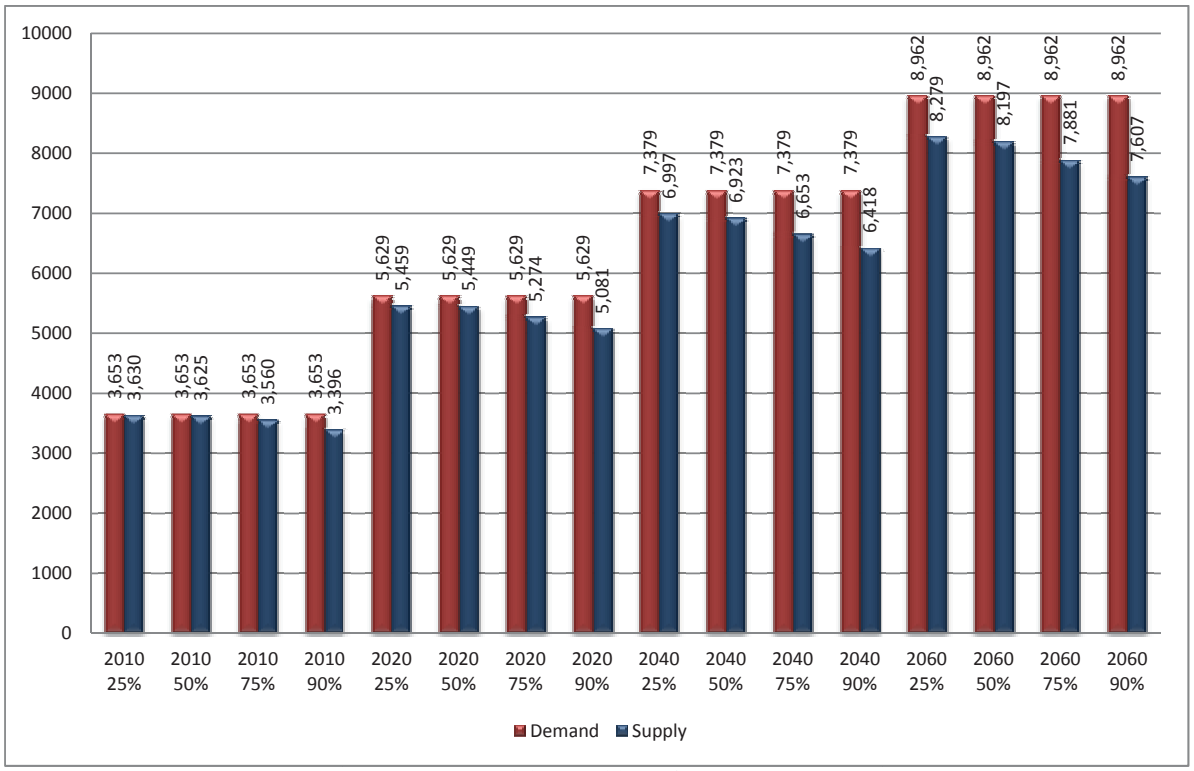
Depending on the planning stage and dependability level, the following conclusions can be drawn:

- The supply to non-agricultural uses represents between 21% and 46% of the total supply
- The supply for agriculture inside CCA represents between 36% and 54% of the total supply
- The supply for agriculture outside CCA represents between 15% and 34% of the total supply

6.3 Non-agricultural Unmet Demand

From the State-wise water balance presented, the total non-agricultural demand and supply in all the Rajasthan State have been compared for the different planning stages and dependability levels and are presented in Figure C-6.2.

Figure C-6.2 State-wise Non-Agricultural Demand and Supply for Planning Stages 2010, 2020, 2040, 2060 and Dependability levels 25%, 50%, 75%, 90%, in Mm^3/yr



Source of data: Table C-6.1

The total supply for non-agricultural demand of the Rajasthan State varies between approximately 3400 Mm^3/yr (in 2010 and for a dependability level of 90%) and 8280 Mm^3/yr (in 2060 for a dependability level of 25%) (Table C-6.2).

The total non-agricultural unmet demand of the Rajasthan State varies between approximately 25 Mm^3/yr (in 2010 and for a dependability level of 25%) and 1355 Mm^3/yr (in 2060 for a dependability level of 90%) (Table C-6.2, (1)-(2)).

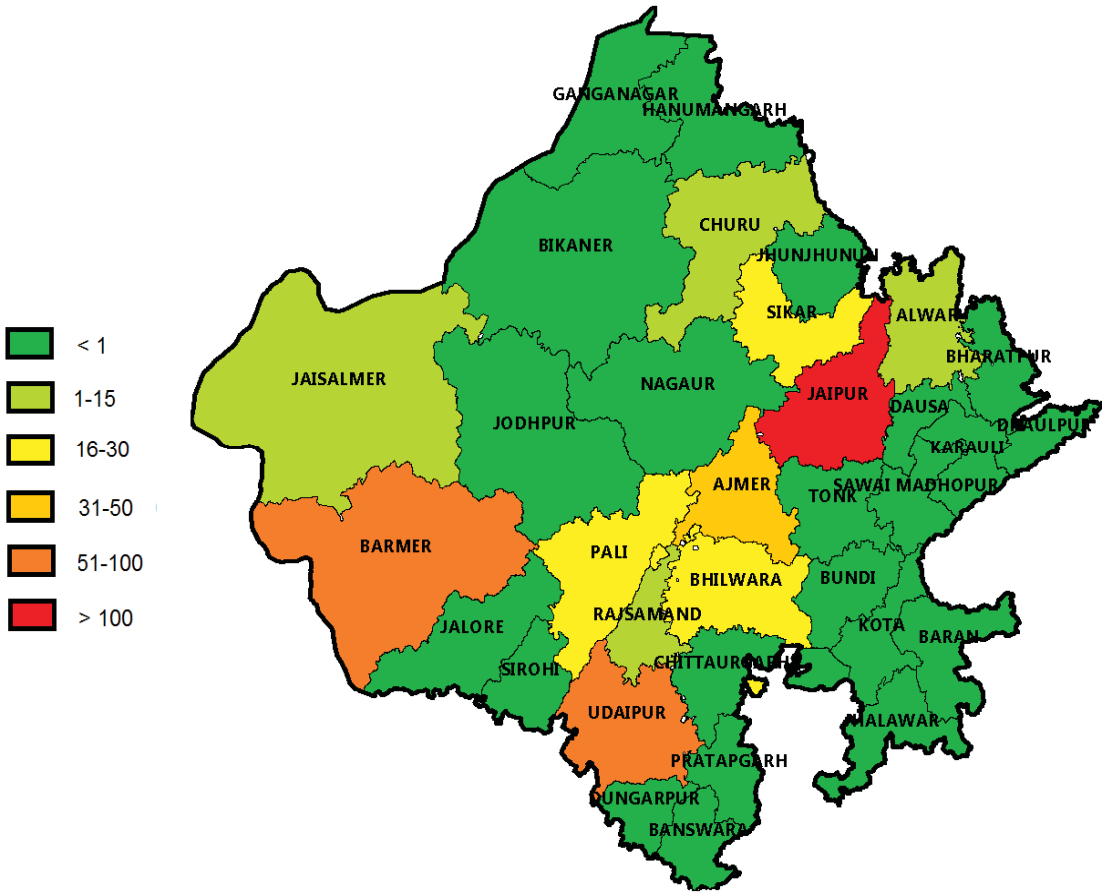
Therefore, the supply coverage of the non-agricultural demand varies between 85% and 99% (Table C-6.2, (2)/(1)).

Out of the Rajasthan total non-agricultural unmet demand, there is a total domestic unmet demand that varies between approximately 0 Mm^3/yr and 700 Mm^3/yr (in 2010 for a dependability level of 25% and in 2060 for a dependability level of 90%, respectively) (Tables C-14-i.2, i=01 to 33).

Out of this Rajasthan maximum domestic unmet demand of 700 Mm^3/yr, 64% is associated to the Jaipur City unmet demand (450 Mm^3/yr) (Table C-14-17.4). The other

districts having a domestic unmet demand in the more critical scenario (planning stage 2060 and dependability level of 90%) are Barmer, Udaipur, Ajmer, Pali, Bhilwara, Sikar, Alwar, Churu, Jaisalmer and Rajsamand. The range of the domestic unmet demand of each district for a dependability level of 90% and in 2060 is presented in Figure C-6.3.

Figure C-6.3 Total Domestic Unmet Demand per District for a Dependability level of 90% in 2060, in Mm^3/yr



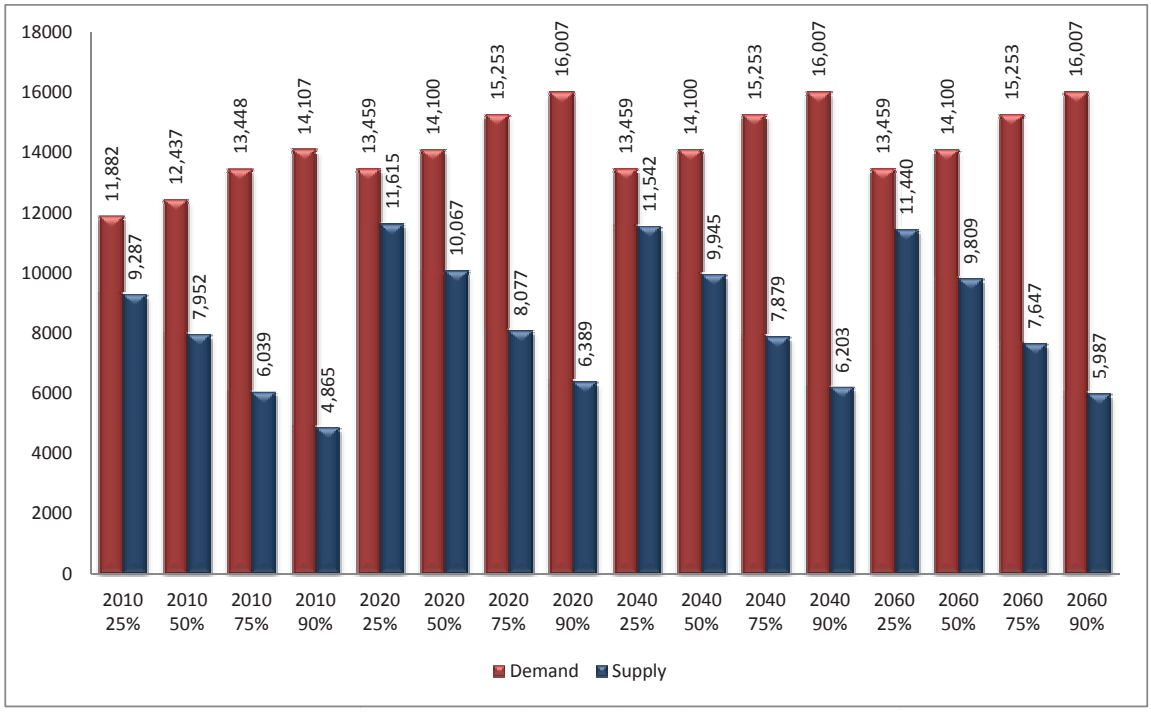
Source of data: Tables C-14-i.2, i=01 to 33

Specific plans to fill gaps and the associated costs are given in Section 5 of Part C of this report.

6.4 Supply Coverage of Agricultural Demand

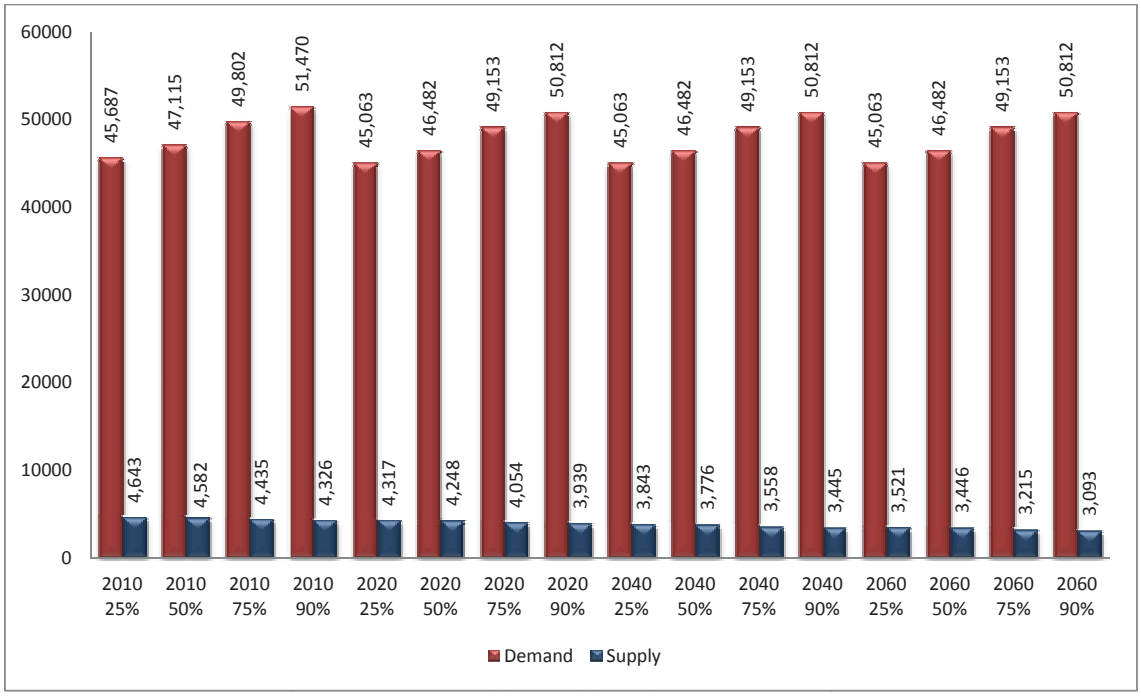
From the state-wise water balance presented, the total agricultural demand and supply inside CCA and outside CCA in all the Rajasthan State have been compared for the different planning stages and dependability levels. As regards the agricultural demand outside CCA, it has been calculated in two ways: considering full potential and considering the maximum irrigated areas in the past decade (2002-2010). The results are presented in Figure C-6.4, C-6.5 and C-6.6.

Figure C-6.4 State-wise Agricultural Demand and Supply Inside CCA for Planning Stages 2010, 2020, 2040, 2060 and Dependability levels 25%, 50%, 75%, 90%, in Mm^3/yr



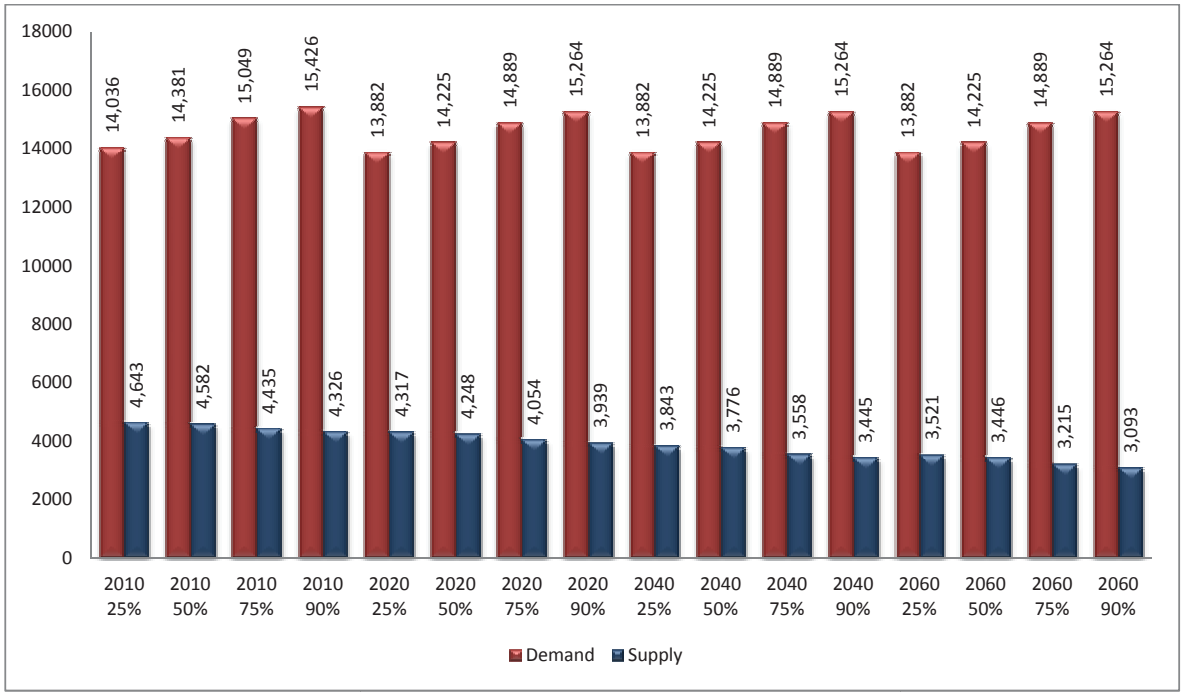
Source of data: Table C-6.1

Figure C-6.5 State-wise Agricultural Demand and Supply Outside CCA for Planning Stages 2010, 2020, 2040, 2060 and Dependability levels 25%, 50%, 75%, 90% and Considering Full Potential in Mm^3/yr



Source of data: Table C-6.1

Figure C-6.6 State-wise Agricultural Demand and Supply Outside CCA for Planning Stages 2010, 2020, 2040, 2060 and Dependability levels 25%, 50%, 75%, 90% and Considering Maximum Irrigated Areas in Past Decade (2002-2010), in Mm^3/yr



Source of data:
(For Supply): Table C-6.1
(For Demand): Tables C-14-i.6, i=1 to 33, column (5) and Appendix C-15; the State-wise agricultural demand outside CCA considering maximum irrigated areas in past decade = The sum for each block of [the agricultural demand outside CCA considering full potential (column "Demand" of the Tables C-14-i.6) * the maximum irrigated area outside CCA in past decade (Appendix C-15) / the full potential area outside CCA (column "Irrigable areas" of the Tables C-14-i.6)]

Inside CCA, the total supply for agricultural demand of the Rajasthan State varies between approximately 4865 Mm^3/yr (in 2010 and for a dependability level of 90%) and 11615 Mm^3/yr (in 2020 for a dependability level of 25%), which represents a supply coverage of 34% and 86%, respectively (Figure C-6.4).

Outside CCA, the total supply for agricultural demand of the Rajasthan State varies between approximately 3090 Mm^3/yr (in 2060 and for a dependability level of 90%) and 4640 Mm^3/yr (in 2010 for a dependability level of 25%). Considering full potential, it represents a supply coverage of 6% and 10% respectively. Considering maximum irrigated areas in past decades (2002-2010) (refer Appendix C-15), it represents a supply coverage of 20% and 33%, respectively (Figures C-6.5 and C-6.6).

6.5 Excess of Water

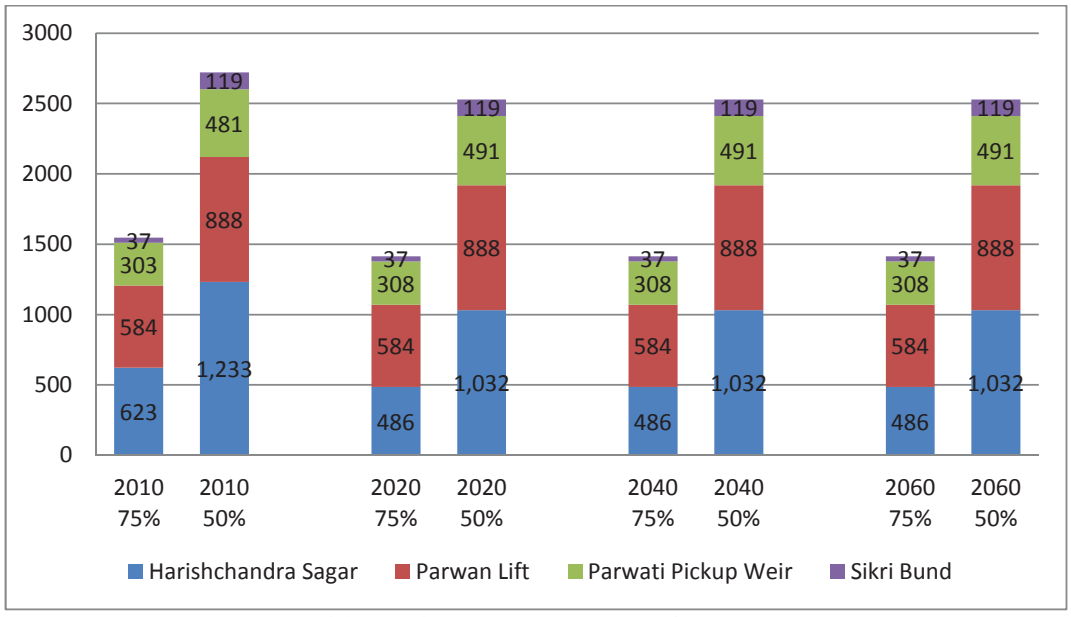
From the results of the 33 districts simulated with the WEAP tool, the relevant excess of water for the Rajasthan State has been calculated for a dependability level of 75% and 50% and in four planning stages. The results are presented in this section. The different categories of excess considered here are the following ones:

1) Unutilised water from the downstream diversion structures (Harish Chandra Sagar, Parwan Lift, Parwati Pickup Weir and Sikri Bund)
2) Unutilised water from canals importing water (Bhakhra, Bharatpur, Gang, Gurgaon, IGNP Stage I, IGNP Stage II, Narmada and Nohar-Sidhmukh canals)
3) Spills from downstream dams (where they are higher than 10 Mm^3/yr)
4) Rajasthan share of the water stored in the Fourth Chambal Valley Projects (Gandhi, Rana Pratap, Jawahar and Kota dams), including the dead storage
5) Rajasthan share of the water stored in the Mahi Bajaj Sagar dam, including the dead storage
6) Water stored in the other major and medium dams (not including their dead storage and only where it is higher than 5 10 Mm^3/yr)
7) Unutilised groundwater

The detail of the excess for these different categories is presented in the different figures and table in the following paragraphs.

1) Approximately 1500 Mm^3/yr and 2500 Mm^3/yr are unutilized water from diversion structures for a dependability level of 75% and 50% respectively, almost entirely located in the Chambal river basin as shown in Figure C-6.7

Figure C-6.7 Unutilised Water at the Downstream Diversions Structures of Rajasthan for a Dependability level of 75% and 50%, in Mm^3/yr



Source of data: Tables C-14-04.10, C-14-06.10, C-14-20.10

2) For a dependability level of 75% and 50%, 829 Mm^3/yr and 975 Mm^3/yr are unutilized water from the Bharatpur and Gurgaon canals because of the limit capacity of the supply system; moreover, for a dependability level of 50%, there is an additional surplus of water from the canal IGNP Stage I in future planning stages, which varies between 365 Mm^3/yr and 515 Mm^3/yr depending on the planning stage. The unutilized water from each canal and for each dependability level and planning stage is detailed in Table C-6.2.

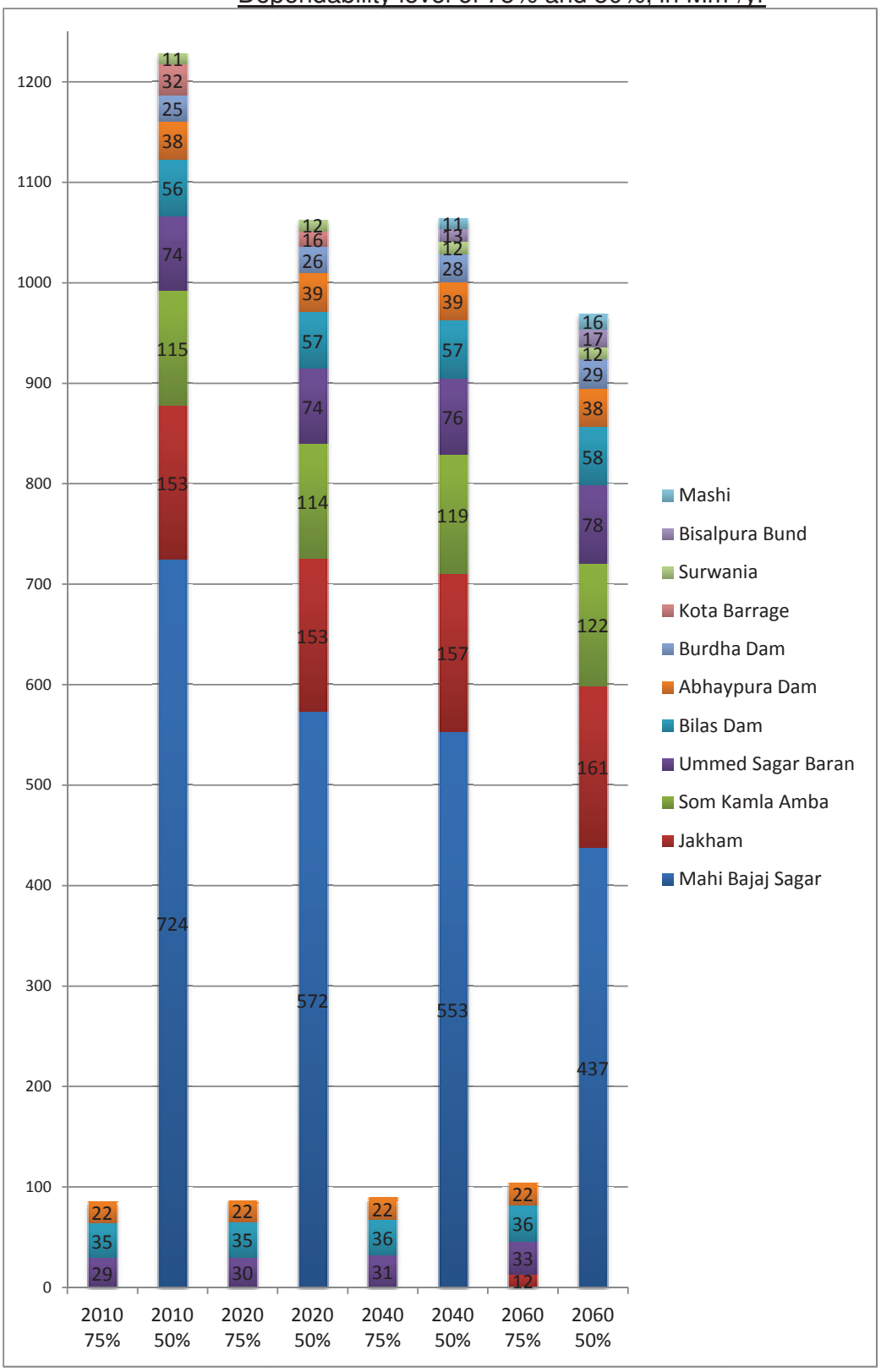
Table C-6.2 Unutilised Water Associated to Canals importing Water from Outside of Rajasthan, in Mm^3/yr

Planning Stage	Dependability	Bhakhra	Bharatpur	Gang	Gurgaon	IGNP I	IGNP II	Narmada	Nohar
2010	25%	0	685	0	525	1,793	0	0	15
2010	50%	0	552	0	423	0	0	0	0
2010	75%	0	469	0	360	0	0	0	0
2010	90%	0	344	0	264	0	0	0	0
2020	25%	0	685	0	525	2,551	7	29	15
2020	50%	0	552	0	423	515	0	0	0
2020	75%	0	469	0	360	0	0	0	0
2020	90%	0	344	0	264	0	0	0	0
2040	25%	0	685	0	525	2,492	0	29	15
2040	50%	0	552	0	423	456	0	0	0
2040	75%	0	469	0	360	0	0	0	0
2040	90%	0	344	0	264	0	0	0	0
2060	25%	0	685	0	525	2,401	0	29	15
2060	50%	0	552	0	423	365	0	0	0
2060	75%	0	469	0	360	0	0	0	0
2060	90%	0	344	0	264	0	0	0	0

Source of data: WEAP simulation of the districts importing water from canals (Barmer, Bharatpur, Bikaner, Churu, Ganganagar, Hanumangarh, Jaisalmer, Jalore, Jodhpur and Nagaur); for Bharatpur and Gurgaon canals the unutilized water due to the limit capacity of the supply system, which is not included in the WEAP simulations, has been added in the table based on Yamuna water share of Rajasthan and present utilization, as per Report 4.2, Volume 1, Section 7.3 and Section 7.7.1.

3) 85-105 Mm^3/yr and 970-1230 Mm^3/yr are lost in unintercepted spills for a dependability level of 75% and 50% respectively; for a dependability level of 50%, the main spills are located at the Mahi Bajaj Sagar, Jakham and Som Kamla Amba dams whereas for a dependability level of 75%, the main spills are located at the Bilas, Ummed Sagar (Baran) and Abhaypura dams, as shown in Figure C-6.8.

Figure C-6.8 Spills* from the Downstream Dams of Rajasthan for a Dependability level of 75% and 50%, in Mm^3/yr

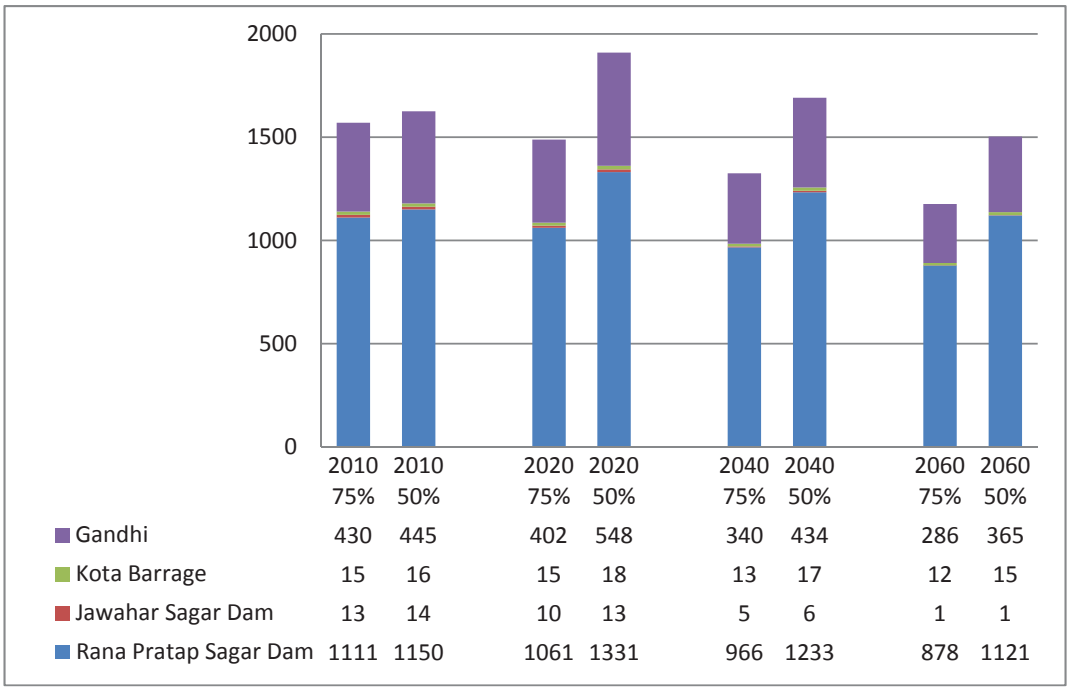


* Only for spills > 10 Mm3/yr

Source of data: Tables C-14-i.10, i = 01 to 33

4) Depending on the planning stage, 590-955 Mm^3/yr is stored in the dead storage of the four Chambal Valley Projects (considering only the Rajasthan share, which represents half of the excess), mainly in the Gandhi Sagar dam and the Rana Pratap Sagar dam, as shown in Figure C-6.9.

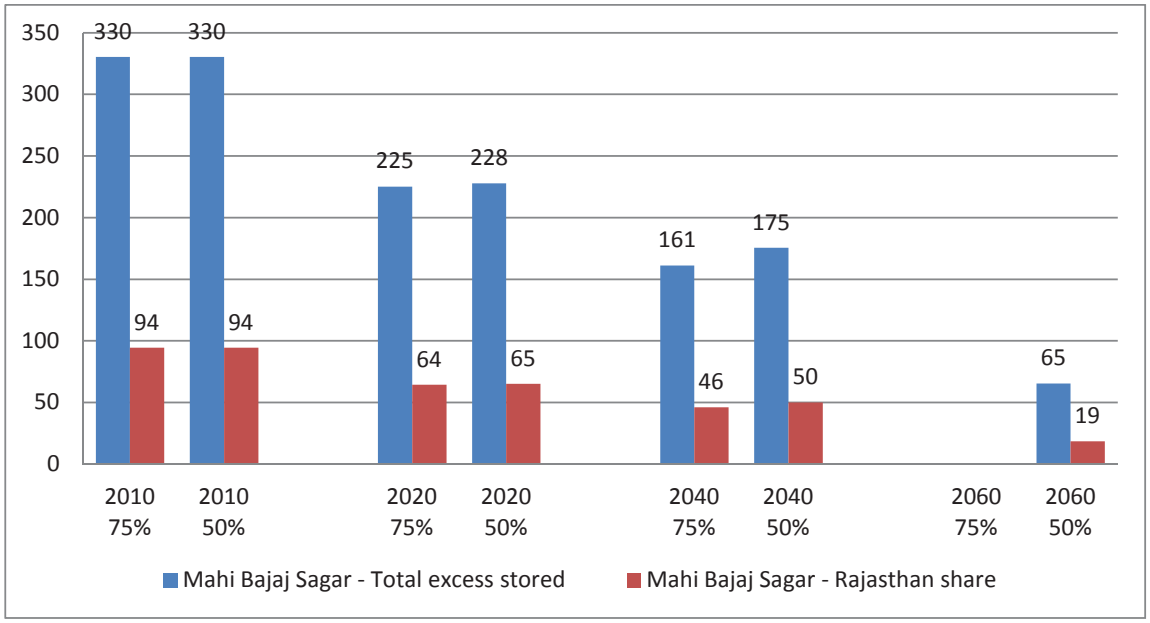
Figure C-6.9 Excess of Water Stored in the Four Chambal Valley Projects for a Dependability level of 75% and 50%, Including the Dead Storage in Mm^3/yr



Source of data: WEAP simulation of the Kota district (the results are also reported in Table C-14-10.10 and Table C-14-24.10 except for the Gandhi dam that is not located in the Rajasthan State)

5) Only 20-95 Mm^3/yr and is stored in the dead storage of the Mahi Bajaj Sagar dam (considering only the Rajasthan share, which represents about 30% of the total), except in 2060 for a dependability level of 75% where there is no surplus in this dam at all, as shown in Figure C-6.10.

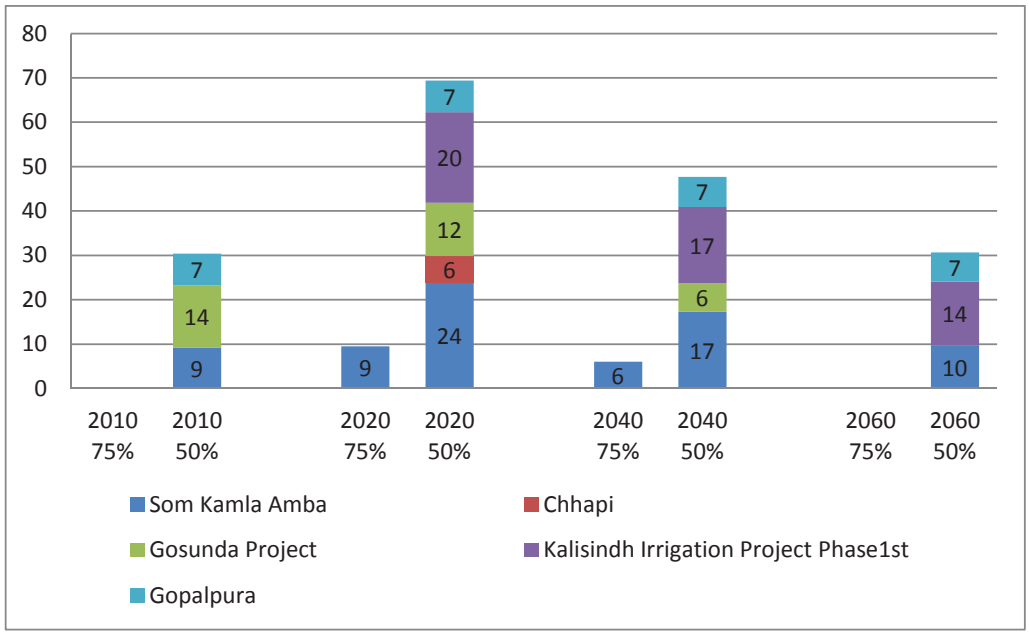
Figure C-6.10 Excess of Water Stored in the Mahi Bajaj Sagar dam for a Dependability level of 75% and 50%, Including the Dead Storage, in Mm^3/yr



Source of data: Total excess appears in Table C-14-03.10 and the Rajasthan share is calculated as 28.57% of the total

6) Only 0-70 Mm^3/yr are stored above the dead storage of the major and medium dams, mainly in the Som Kamla Amba, Gosunda, Kalisindh and Gopalpura dams, as shown in Figure C-6.11.

Figure C-6.11 Excess of Water Stored in the Dams* of Rajasthan for a Dependability level of 75% and 50%, Excluding the Dead Storage, in Mm^3/yr



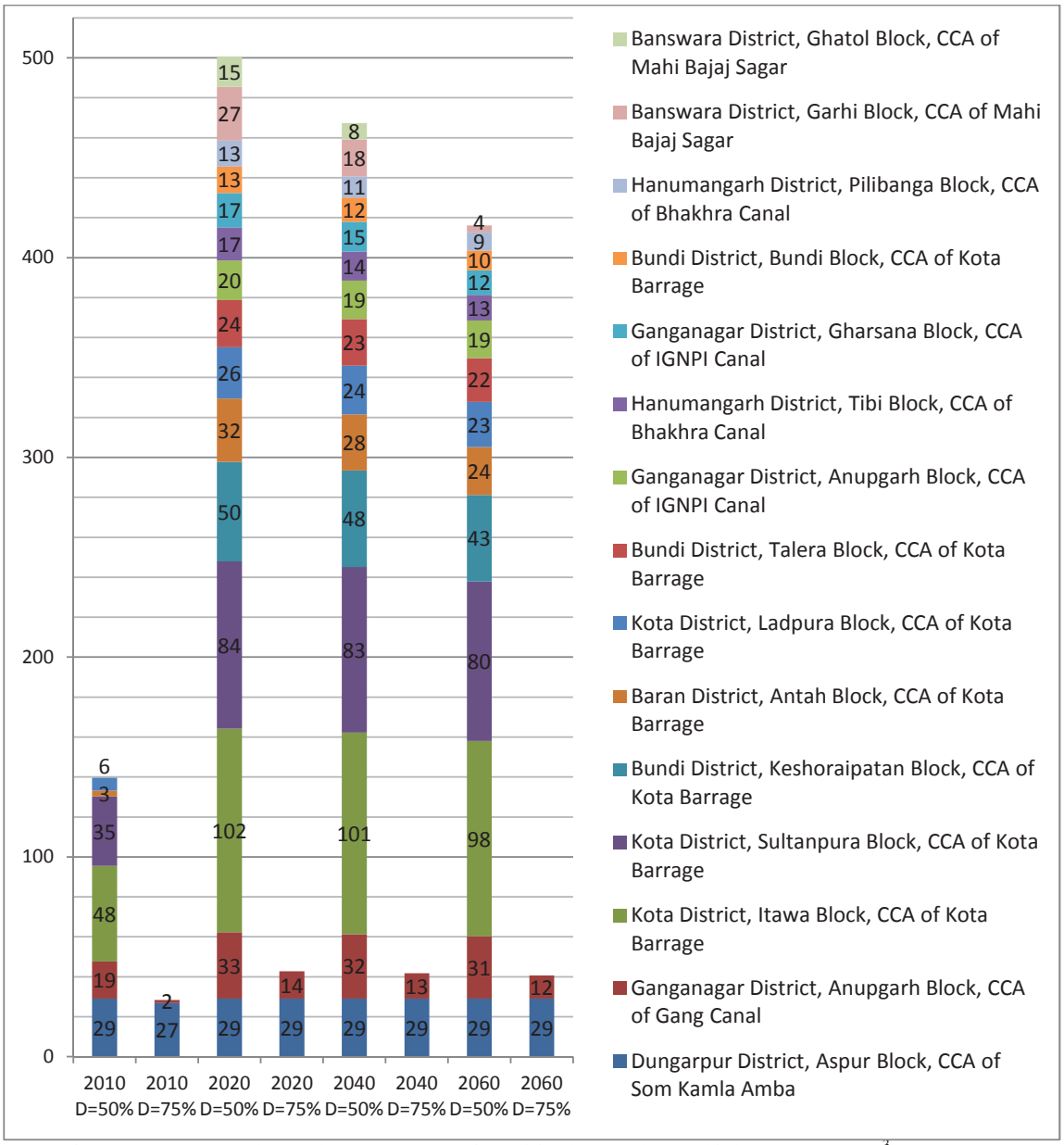
* Only for dams having an excess above the dead storage > 5 Mm^3/yr
Source of data: Tables C-14-i.10, i = 01 to 33

7) As regards the unutilised groundwater:

For a dependability level of 75%, it is mainly located in the CCA of the Som Kamla Amba dam in the Dungarpur district and in the CCA of the Gang Canal in the Ganganagar district

For a dependability level of 50% the excess is far much bigger and is mainly located in the CCA of the Kota barrage, as shown in Figure C-6.12.

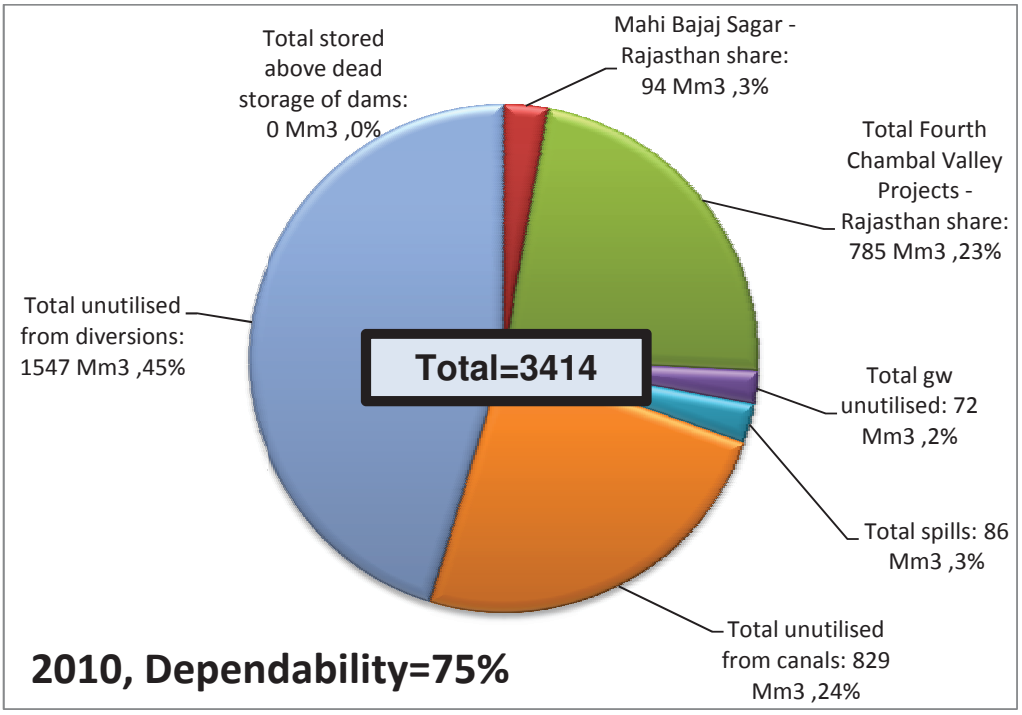
Figure C-6.12 Distribution of Unutilized Groundwater in Rajasthan for a Dependability Level of 75% and 50%, Mm^3/yr



* Only for groundwater nodes having an amount of unutilised groundwater higher than 10 Mm^3/yr
Source of data: WEAP simulations of the 33 districts

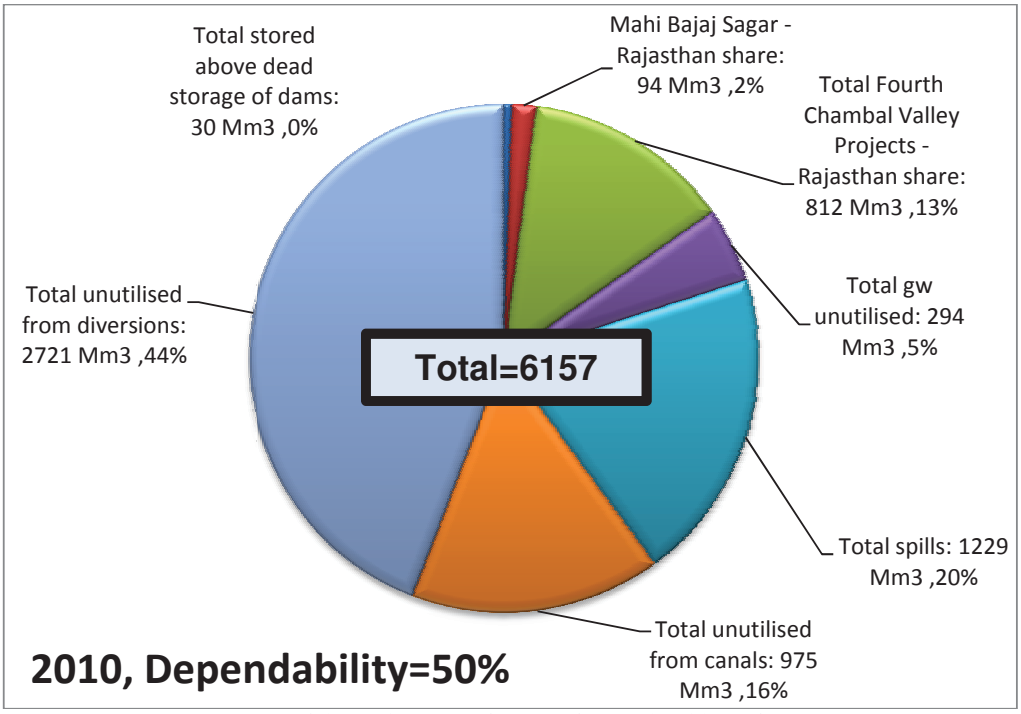
The excess presented in Figures C-6.7 to C-6.12 and in Table C-6.2 are synthesized below in Figures C-6.13 to C-6.20.

Figure C-6.13 Excess of Intercepted Water and Unutilised Groundwater in the Rajasthan State for a Dependability level of 75% in 2010, in Mm^3/yr


Total stored above dead storage of dams: 0 Mm3 ,0%
Mahi Bajaj Sagar - Rajasthan share: 94 Mm3 ,3%
Total Fourth Chambal Valley Projects - Rajasthan share: 785 Mm3 ,23%
Total unutilised from diversions: 1547 Mm3 ,45%
Total=3414
Total gw unutilised: 72 Mm3 ,2%
Total spills: 86 Mm3 ,3%
Total unutilised from canals: 829 Mm3 ,24%
2010, Dependability=75%

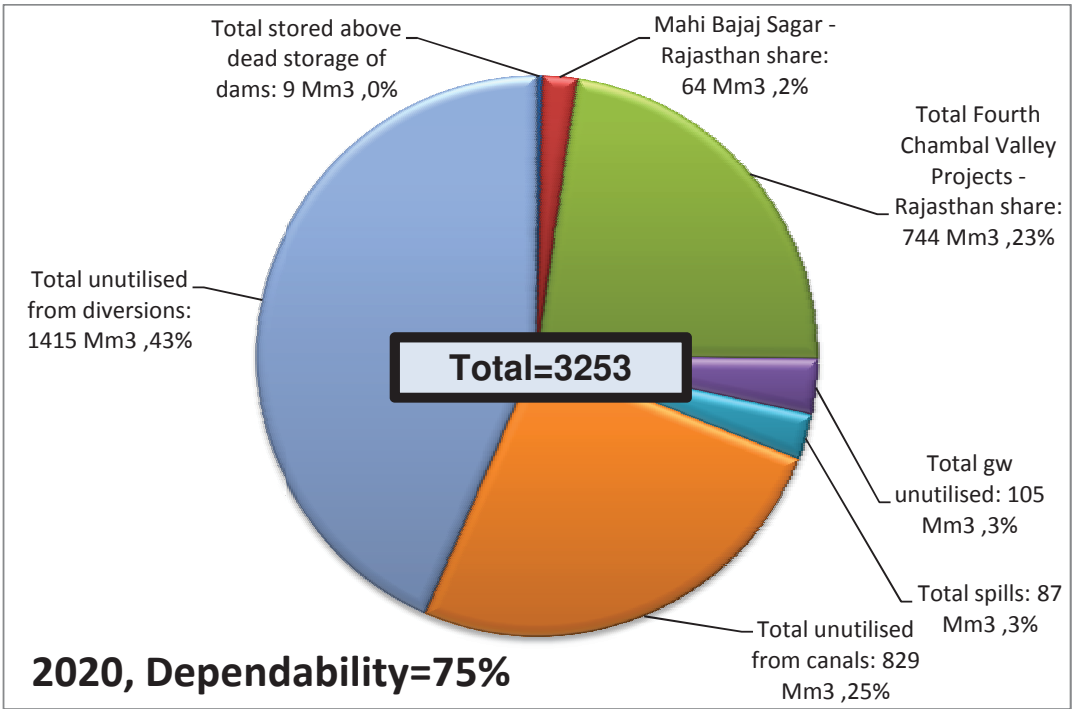
Source of data: Figures C-6.7 to C-6.12 and Table C-6.2

Figure C-6.14 Excess of Intercepted Water and Unutilized Groundwater in the Rajasthan State for a Dependability level of 50% in 2010, in Mm^3/yr


Total stored above dead storage of dams: 30 Mm3 ,0%
Mahi Bajaj Sagar - Rajasthan share: 94 Mm3 ,2%
Total Fourth Chambal Valley Projects - Rajasthan share: 812 Mm3 ,13%
Total unutilised from diversions: 2721 Mm3 ,44%
Total=6157
Total gw unutilised: 294 Mm3 ,5%
Total spills: 1229 Mm3 ,20%
Total unutilised from canals: 975 Mm3 ,16%
2010, Dependability=50%

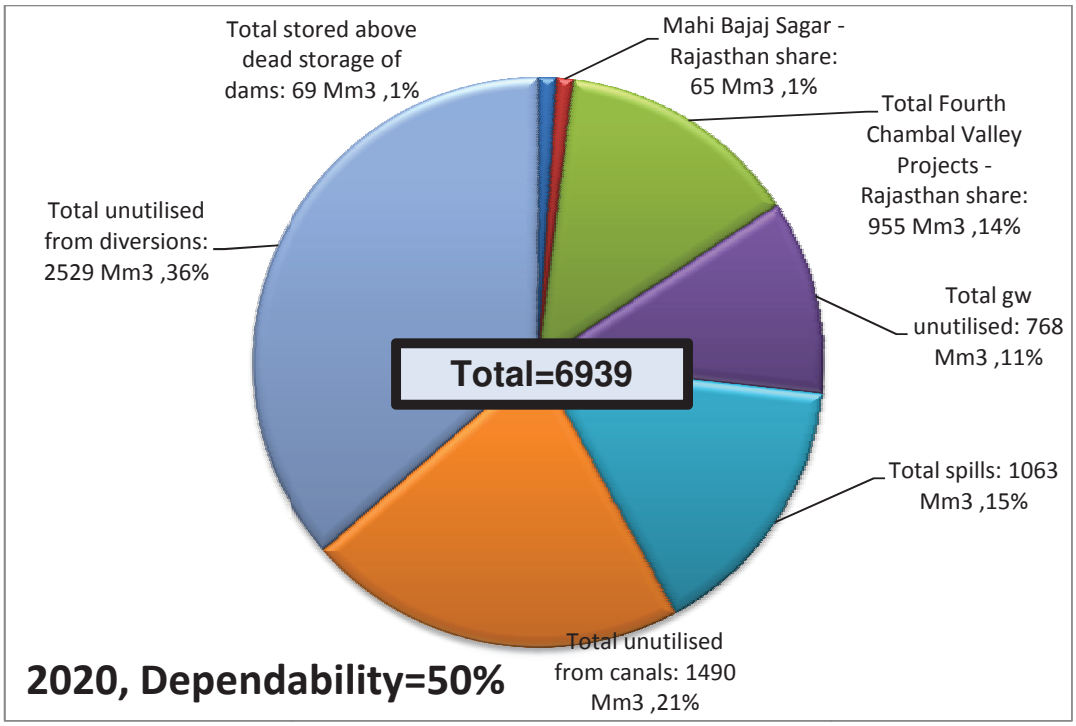
Source of data: Figures C-6.7 to C-6.12 and Table C-6.2

Figure C-6.15 Excess of Intercepted Water and Unutilised Groundwater in the Rajasthan State for a Dependability level of 75% in 2020, in Mm^3/yr


Total stored above dead storage of dams: 9 Mm3 ,0%
Mahi Bajaj Sagar - Rajasthan share: 64 Mm3 ,2%
Total Fourth Chambal Valley Projects - Rajasthan share: 744 Mm3 ,23%
Total unutilised from diversions: 1415 Mm3 ,43%
Total=3253
Total gw unutilised: 105 Mm3 ,3%
Total spills: 87 Mm3 ,3%
Total unutilised from canals: 829 Mm3 ,25%
2020, Dependability=75%

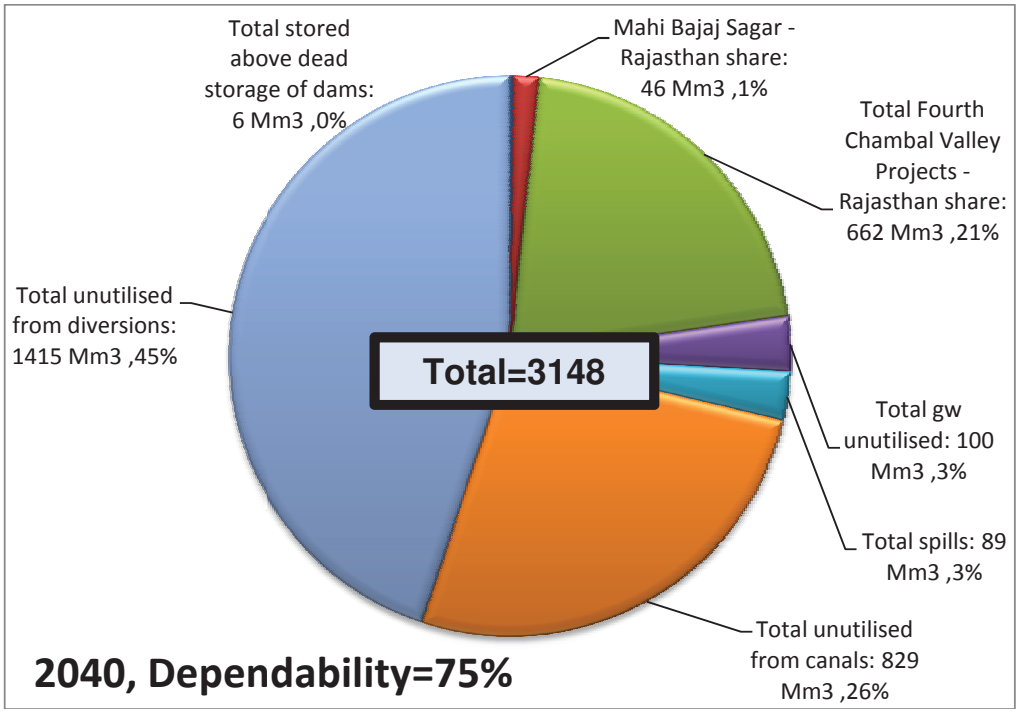
Source of data: Figures C-6.7 to C-6.12 and Table C-6.2

Figure C-6.16 Excess of Intercepted Water and Unutilized Groundwater in the Rajasthan State for a Dependability level of 50% in 2020, in Mm^3/yr


Total stored above dead storage of dams: 69 Mm3 ,1%
Mahi Bajaj Sagar - Rajasthan share: 65 Mm3 ,1%
Total Fourth Chambal Valley Projects - Rajasthan share: 955 Mm3 ,14%
Total unutilised from diversions: 2529 Mm3 ,36%
Total gw unutilised: 768 Mm3 ,11%
Total=6939
Total spills: 1063 Mm3 ,15%
Total unutilised from canals: 1490 Mm3 ,21%
2020, Dependability=50%

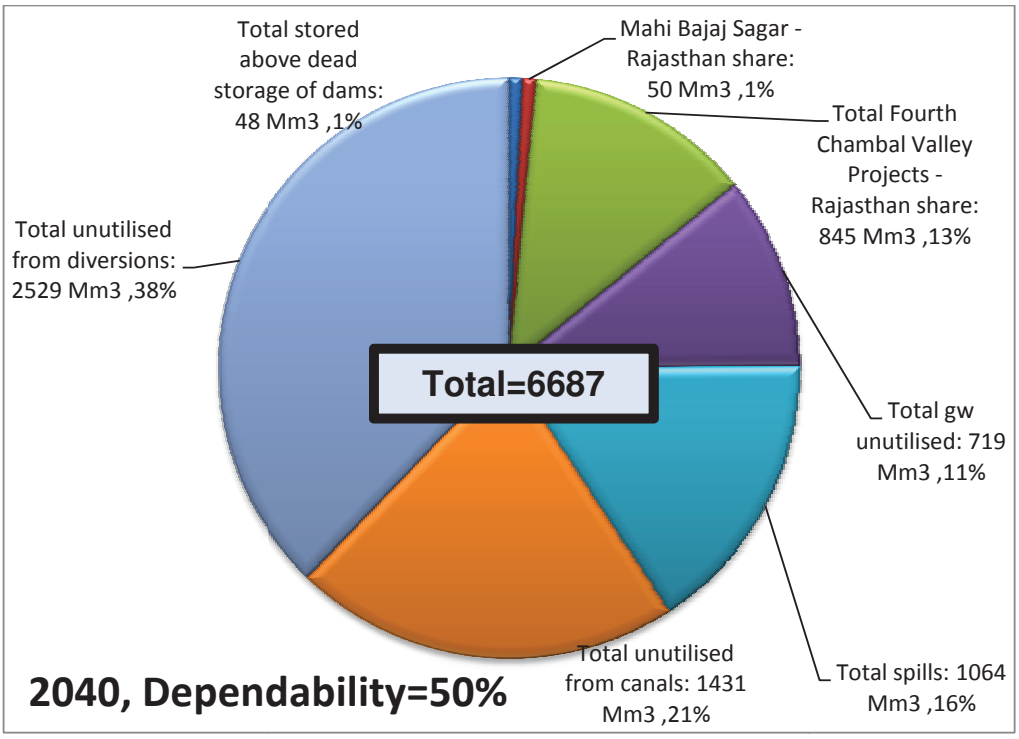
Source of data: Figures C-6.7 to C-6.12 and Table C-6.2

Figure C-6.17 Excess of Intercepted Water and Unutilised Groundwater in the Rajasthan State for a Dependability level of 75% in 2040, in Mm^3/yr


Total stored above dead storage of dams: 6 Mm3 ,0%
Mahi Bajaj Sagar - Rajasthan share: 46 Mm3 ,1%
Total Fourth Chambal Valley Projects - Rajasthan share: 662 Mm3 ,21%
Total unutilised from diversions: 1415 Mm3 ,45%
Total=3148
Total gw unutilised: 100 Mm3 ,3%
Total spills: 89 Mm3 ,3%
Total unutilised from canals: 829 Mm3 ,26%
2040, Dependability=75%

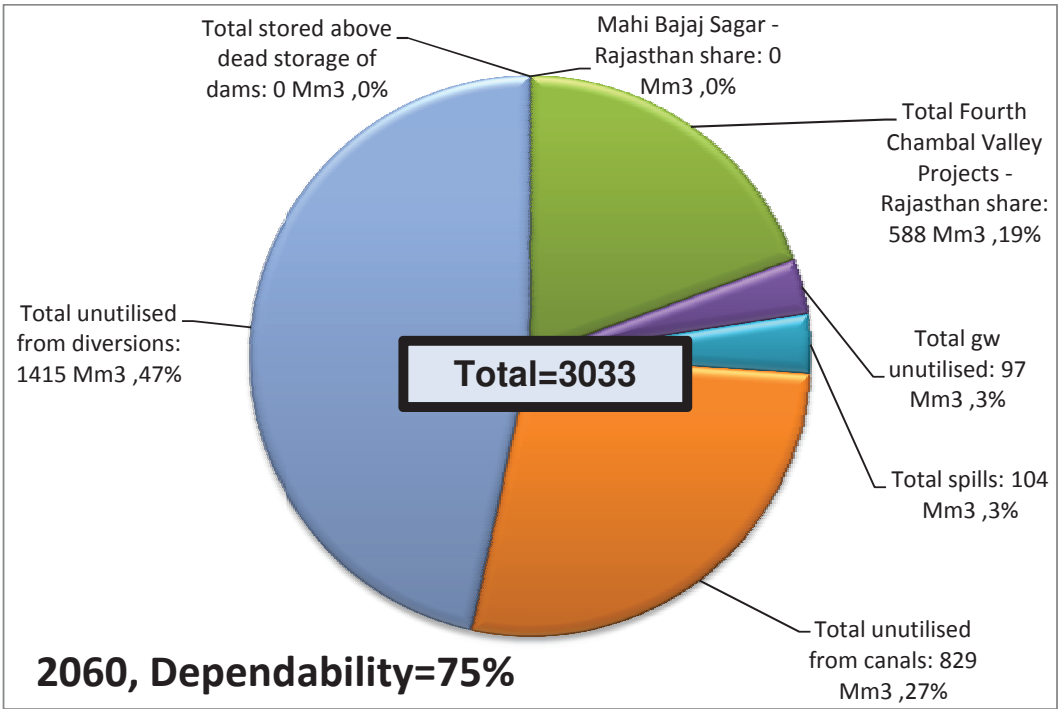
Source of data: Figures C-6.7 to C-6.12 and Table C-6.2

Figure C-6.18 Excess of Intercepted Water and Unutilized Groundwater in the Rajasthan State for a Dependability level of 50% in 2040, in Mm^3/yr


Total stored above dead storage of dams: 48 Mm3 ,1%
Mahi Bajaj Sagar - Rajasthan share: 50 Mm3 ,1%
Total Fourth Chambal Valley Projects - Rajasthan share: 845 Mm3 ,13%
Total unutilised from diversions: 2529 Mm3 ,38%
Total=6687
Total gw unutilised: 719 Mm3 ,11%
Total unutilised from canals: 1431 Mm3 ,21%
Total spills: 1064 Mm3 ,16%
2040, Dependability=50%

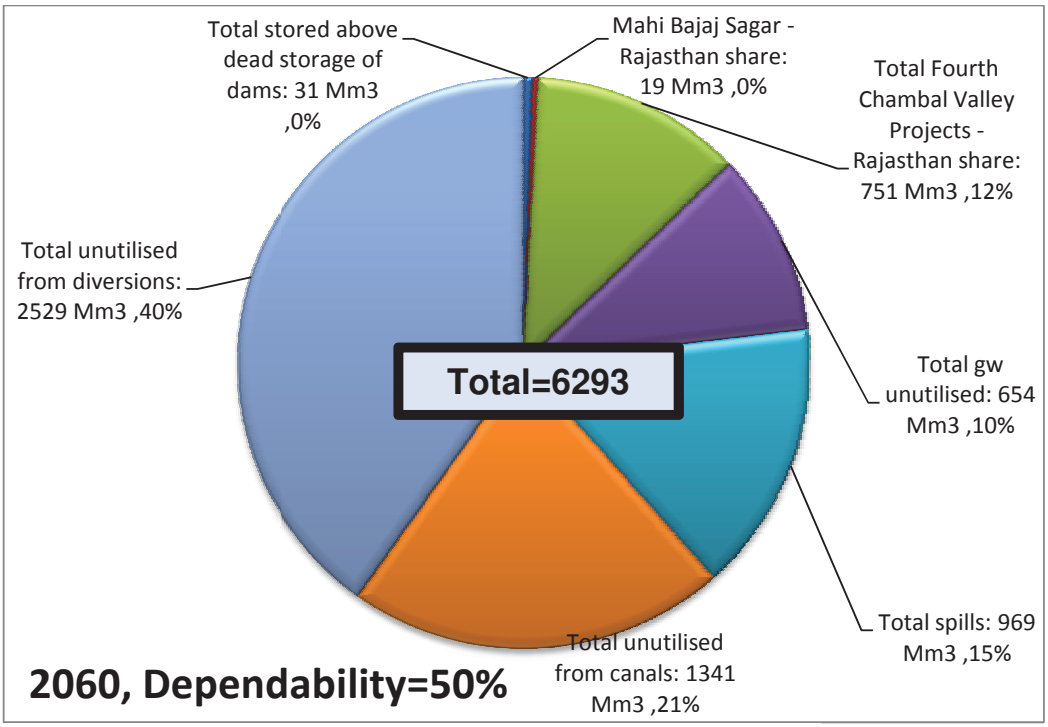
Source of data: Figures C-6.7 to C-6.12 and Table C-6.2

Figure C-6.19 Excess of Intercepted Water and Unutilised Groundwater in the Rajasthan State for a Dependability level of 75% in 2060, in Mm^3/yr


Total stored above dead storage of dams: 0 Mm3 ,0%
Mahi Bajaj Sagar - Rajasthan share: 0 Mm3 ,0%
Total Fourth Chambal Valley Projects - Rajasthan share: 588 Mm3 ,19%
Total gw unutilised: 97 Mm3 ,3%
Total spills: 104 Mm3 ,3%
Total unutilised from canals: 829 Mm3 ,27%
Total unutilised from diversions: 1415 Mm3 ,47%
Total=3033
2060, Dependability=75%

Source of data: Figures C-6.7 to C-6.12 and Table C-6.2

Figure C-6.20 Excess of Intercepted Water and Unutilized Groundwater in the Rajasthan State for a Dependability level of 50% in 2060, in Mm^3/yr


Total stored above dead storage of dams: 31 Mm3 ,0%
Mahi Bajaj Sagar - Rajasthan share: 19 Mm3 ,0%
Total Fourth Chambal Valley Projects - Rajasthan share: 751 Mm3 ,12%
Total gw unutilised: 654 Mm3 ,10%
Total spills: 969 Mm3 ,15%
Total unutilised from canals: 1341 Mm3 ,21%
Total unutilised from diversions: 2529 Mm3 ,40%
Total=6293
2060, Dependability=50%

Source of data: Figures C-6.7 to C-6.12 and Table C-6.2

According to Figures C-6.13 to C-6.20, the following conclusions can be drawn.

Over all the planning stages, there is a total excess of intercepted surface water and unutilised groundwater of approximately 3030-3410 Mm^3/yr and 6160-6940 Mm^3/yr for a dependability level of 75% and 50% respectively. These figures include the excess from outside of the Rajasthan State, which does not appear in the State-wise water balance (Rajasthan share of the excess in the Gandhi dam and the excess available from import canals). These figures do not include the water stored in the minor structures and in the dead storage of the major and medium dams, which is not considered as a relevant excess (except the dead storage in the Mahi Bajaj Sagar dam and in the Four Chambal Valley Projects, which represents big quantities). Also, they do not include spills from dams where they are smaller than 10 Mm^3/yr and water stored above the dead storage of dams where it is smaller than 5 Mm^3/yr).

The excess for a dependability level of 50% represents approximately the double of the excess for a dependability level of 75%. For a dependability level of 75%, the excess are mainly located at diversion structures (45%), canals (25%) and at the four Chambal Valley Projects (20%).

For a dependability level of 50%, significant surplus also comes from spills and unutilised groundwater. Water stored above the dead storage of dams and water stored in the dead storage of Mahi Bajaj Sagar dam represent less than 3% of the total excess for a dependability level of 75% or 50%.

6.6 Transfers

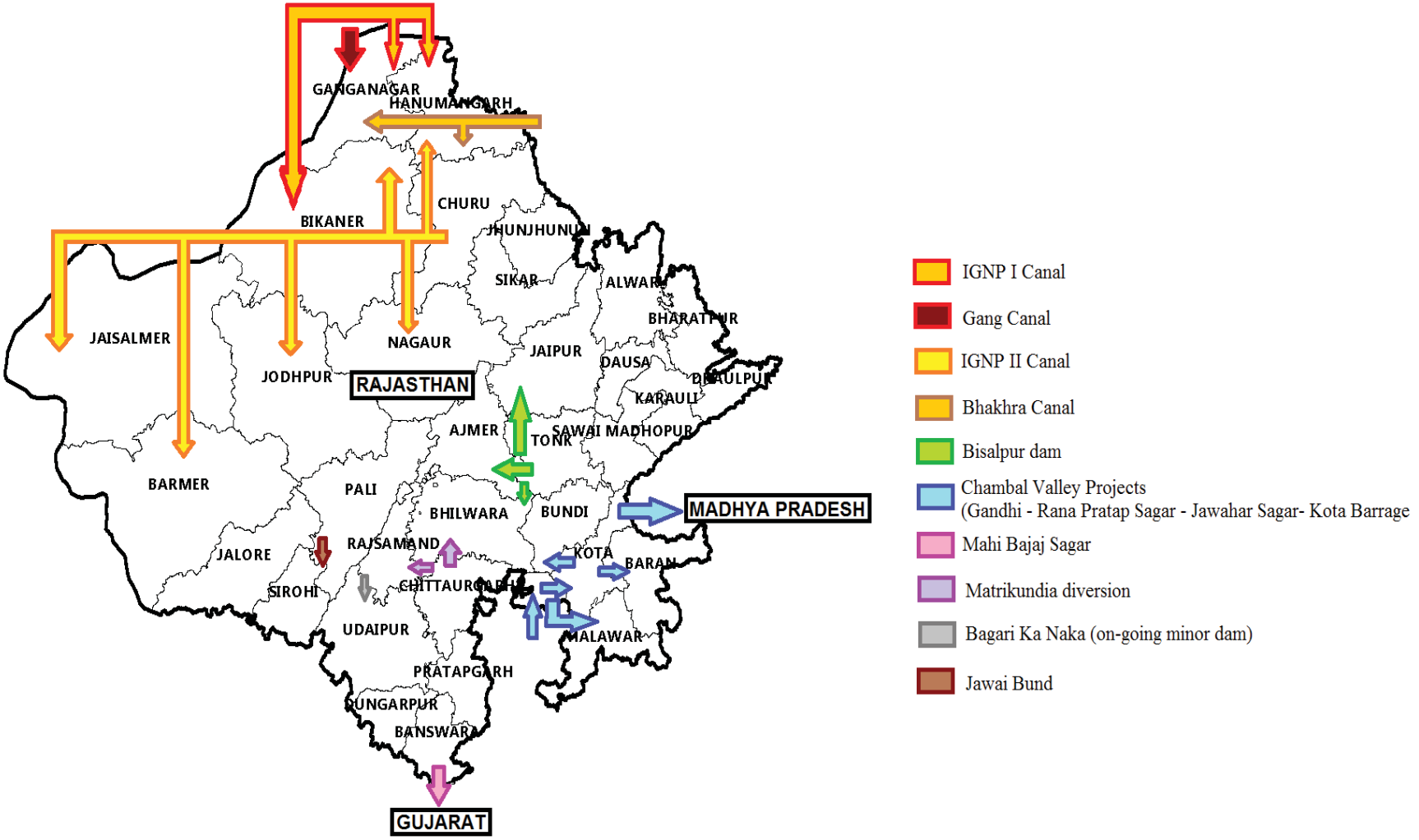
The different non-agricultural transfers between the districts of the Rajasthan State on one hand, and between the Rajasthan State and other States on another hand, are presented in Figure C-6.21.

The Rajasthan State imports water through the IGNPI, IGNPII, Gang and Bhakhra canals to the Barmer, Bikaner, Churu, Ganganagar, Hanumangarh, Jaisalmer, Jodhpur and Nagaur districts. The total gross volume of water imported from those canals to the Rajasthan State varies between approximately 8315 Mm^3/yr and 14660 Mm^3/yr, depending on the dependability levels and planning stages.

There is also an import of water from the Gandhi Sagar dam, located in the Madhya Pradesh State, which varies between approximately 2180 Mm^3/yr and 5920 Mm^3/yr but some of this water has to be kept to return in the Madhya Pradesh State. The agreement between those two states specifies that half of the water supplied from the Kota barrage is available for the Rajasthan State and the other half is for the Madhya Pradesh State.

The Rajasthan State exports water through the Mahi Bajaj Sagar dam and the Kota barrage (located in the Banswara and the Kota districts respectively) to the Gujarat and Madhya Pradesh States, respectively. The total gross volume of water exported from the Rajasthan State varies between 850 Mm^3/yr and 3790 Mm^3/yr, depending on the dependability levels and planning stages.

Figure C-6.21 Inter-States and Inter-Districts Transfers for Non-Agricultural Uses



7. Conclusion and Recommendations

The results of simulation enable the identification of block-wise and district-wise shortages and unutilized water. The analysis allows a discussion of potential improvements that can be made at a state and district management level to ensure an efficient use of the water resources. The results of the WEAP tool will be used for Report 4.9 – A Comprehensive, Full-Scale, Integrated Plan for the Water Resource Management of the State. The main results of water supply and demand balance are given below.

Satisfaction of the Non-agricultural Demand

This category presents the present and future unmet demand of the domestic, livestock, wildlife, industrial and power plant uses. It points out which blocks in each district have shortages along with plans to fill gaps (also shown on Map in back-pocket) and associated estimated cost.

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with estimated cost
1	Ajmer	Although there is no non-agricultural unmet demand at present (year 2010), shortages will appear in the Peesangan block, where the Ajmer town is located, for future planning stages. Other smaller shortages will also occur from planning stage 2040 in Jawaja and Kishangarh blocks. The maximum non-agricultural unmet demand of the district is 60 Mm^3/yr.	It is proposed to transfer 300 Mm^3/yr water from Anas River in Mahi Basin to Berach River in Banas Basin to augment the Bisalpur Dam. The project also includes augmentation of Jaisamand Dam (Udaipur), Rajsamand Dam (Rajsamand) and Meja Dam (Bhilwara). The total estimated cost of the project is Rs. 3681.30 Crores.
2	Alwar	Although there is no non-agricultural unmet demand at present, small shortages appear in the Alwar town starting from planning stage 2040. The maximum non-agricultural unmet demand of the district is 19 Mm^3/yr.	It is proposed to transfer 21.16 Mm^3/yr water from Chambal River to augment the existing Jaisamand Bund (Alwar). The project also includes enroute requirement of Dhaulpur, Bharatpur and Alwar Districts. The total estimated cost of the project is Rs. 565.42 Crores.
3	Banswara	For all planning stages and dependability levels, there is no unmet demand for non-agricultural uses, except for the power plant in the Chhoti Sarvan block for a dependability level of 90% in 2060.	Inter-state agreement with Gujarat should be reviewed for additional utilization of water in Rajasthan from Mahi Bajaj Sagar Dam.
4	Baran	There is no non-agricultural unmet demand except for Kawai and Chhabra power plants in future planning stages.	These power plants future demands are to be met from proposed Parwan Major Irrigation Project. The estimated cost of Parwan Major Irrigation Project is Rs. 2271.10 Crores.
5	Barmer	There is currently a non-agricultural unmet demand in the majority of the blocks. This unmet demand reaches a maximum of about 104 Mm^3/yr for a dependability level of 90% in 2060.	The gaps will be fulfilled after completion of ongoing projects: 1) Barmer Lift Canal Water Supply Project Phase-I for providing drinking water supply to Barmer city, 412 villages of Barmer and 161 villages of Jaisalmer district from Indira Gandhi Main Canal with an estimated cost of Rs. 688.66 Crores, and 2) Pokaran Phalsoond Balotra Lift Water Supply Project for

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with estimated cost
			providing drinking water to Pokaran (in Jaisalmer district), Balotra and Siwana towns and 580 villages of Barmer and Jaisalmer districts from Indira Gandhi Main Canal with an estimated cost Rs.1444.20 Crores; and proposed project- Barmer Lift Project Phase-II to provide drinking water to 691 villages of Barmer district with an estimated cost of Rs. 797.75 Crores.
6	Bharatpur	There is no non-agricultural unmet demand, except for wildlife in the Keoladeo National Park.	There is an ongoing project to supply water to Keoladeo National Park from Goverdhan Drain which will fill this gap. The estimated cost of the project is Rs. 56.04 Crores. Also, there is an ongoing project - Chambal Dhaulpur Bharatpur Water Supply Project - to supply water to 945 villages in Bharatpur district and 96 villages in Dhaulpur district apart from urban towns of Dhaulpur (partial), Bharatpur, Kumher, Deeg, Nagar and Kaman. The estimated cost of the project is Rs. 477.99 Crores. This project will further strengthen the water supply scenario in Bharatpur district.
7	Bhilwara	Shortages appear for future planning stages in the Suwana block, where the Bhilwara town is located. In addition, the demand of the planned power plant in Mandalgarh block cannot be satisfied for all dependability levels. Thus, the maximum non-agricultural unmet demand of the district is 65 Mm^3/yr or 35 Mm^3/yr depending if the planned power plant is considered or not.	This gap shall be closed once the Chambal Bhilwara Water Supply Project is completed. The estimated cost of the project is Rs. 727.82 Crores. There is another proposed project aimed at transferring 84.0 Mm^3/yr water from Anas River (Mahi basin) to Meja Dam (Bhilwara). The project also includes augmentation of Jaisamand Dam (Udaipur), Rajsamand Dam (Rajsamand) and Bisalpur Dam (Tonk). The total estimated cost of the project is Rs. 3681.30 Crores. This will further augment the water availability in Bhilwara district.
8	Bikaner	There is no non-agricultural unmet demand.	-
9	Bundi	There is no non-agricultural unmet demand.	-
10	Chittaurgarh	There is no domestic and livestock unmet demand but there are some shortages for the industry and power plant in the Chittaurgarh block.	There are gaps of small amount which can be fulfilled with proper water management.
11	Churu	There is non-agricultural unmet demand in the Sujangarh block, starting from planning stage 2040. For a dependability	A project named Aapni Yojana Phase-II is under consideration to cover 444 villages of Churu district and Jhunjhunu

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with estimated cost
		level of 90% in 2060, it reaches an amount of about 10 Mm^3/yr, out of which 7 Mm^3/yr affect the domestic demand.	district and 6 towns of Churu district from Sahwa Lift Canal which takes off from Indira Gandhi Main Canal as source with an estimated cost of Rs. 1330.00 Crores. The shortages will be fulfilled after completion of this scheme.
12	Dausa	There is no non-agricultural unmet demand.	-
13	Dhaulpur	There is no non-agricultural unmet demand.	Also, there is an ongoing project - Chambal Dhaulpur Bharatpur Water Supply Project - to supply water to 945 villages in Bharatpur district and 96 villages in Dhaulpur district apart from urban towns of Dhaulpur (partial), Bharatpur, Kumher, Deeg, Nagar and Kaman. The estimated cost of the project is Rs. 477.99 Crores. This project will further strengthen the water supply scenario in Bharatpur district.
14	Dungarpur	There is no non-agricultural unmet demand.	-
15	Ganganagar	There is no non-agricultural unmet demand.	-
16	Hanumangarh	There is no non-agricultural unmet demand.	-
17	Jaipur	The present shortage for Jaipur City will keep increasing to reach a maximum of 240 Mm^3/yr, 370 Mm^3/yr and 450 Mm^3/yr of unmet demand, in 2020, 2040 and 2060 respectively for a dependability level of 90%. At planning stage 2040 and 2060, shortages will even occur for a dependability level of 25% reaching an amount of 35 Mm^3/yr and 120 Mm^3/yr respectively. The maximum total unmet demand for non-agricultural uses in Jaipur district is about 680 Mm^3/yr.	There is a proposed project, Isarda Dam, on Banas River downstream of Bisalpur dam to cater for future water supply to Jaipur city. The proposed gross storage capacity of the dam is 305 Mm^3 and the estimated cost is Rs. 306 Crores. There is another proposed project aimed at transferring of surplus water from Mej River (Chambal basin) near Lakheri in Bundi district to the Ramgarh dam in Jaipur district and Isarda Dam in Tonk district and enroute dams. The proposal envisages pumping of 317.59 Mm^3/yr of flood water from Mej River during the monsoon period into the Ramgarh Dam (28.0 Mm^3/yr), Isarda Dam (173.67 Mm^3/yr) and enroute dams. The estimated cost of project is Rs. 2137.86 Crores. It is also proposed to transfer 300 Mm^3/yr water from Anas River in Mahi Basin to Berach River in Banas Basin to augment the Bisalpur Dam. The project also includes augmentation of Jaisamand Dam (Udaipur), Rajsamand Dam (Rajsamand) and Meja Dam (Bhilwara). The total estimated cost of the project is

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with estimated cost
			Rs. 3681.30 Crores Hence, to meet the huge demand of Jaipur city in future, the above projects should be implemented on priority.
18	Jaisalmer	There is some non-agricultural unmet demand starting from planning stage 2040, which reaches an amount of about 11 Mm^3/yr for a dependability level of 90% in 2060 and which is mainly located in the Sankra block.	The gaps will be fulfilled after completion of ongoing projects: 1) Barmer Lift Canal Water Supply Project Phase-I for providing drinking water supply to Barmer city, 412 villages of Barmer and 161 villages of Jaisalmer district from Indira Gandhi Main Canal with an estimated cost of Rs. 688.66 Crores, and 2) Pokaran Phalsoond Balotra Lift Water Supply Project for providing drinking water to Pokaran (in Jaisalmer district), Balotra and Siwana towns and 580 villages of Barmer and Jaisalmer districts from Indira Gandhi Main Canal with an estimated cost Rs.1444.20 Crores.
19	Jalore	There is no non-agricultural unmet demand.	-
20	Jhalawar	There is no non-agricultural unmet demand, except for the Kalisindh power plant, which is only a planned power plant and can be met after completion of Kalisindh project.	Completion of Kalisindh project with an estimated cost of Rs. 1415.10 Crores
21	Jhunjhunu	There are no domestic shortages for any dependability level and planning stage but unmet demand appear in the industrial sector of Khetri and Jhunjhunun blocks for planning stage 2040 and 2060. The maximum non-agricultural unmet demand of the district is 20 Mm^3/yr.	A project named Aapni Yojana Phase-II is under consideration to cover 444 villages of Churu district and Jhunjhunu district and 6 towns of Churu district from Sahwa Lift Canal which takes off from Indira Gandhi Main Canal as source with an estimated cost of Rs. 1330.00 Crores. With this scheme and proper water management, additional water will be available for industrial sector.
22	Jodhpur	There is no non-agricultural unmet demand.	-
23	Karauli	There is no non-agricultural unmet demand.	There is an ongoing project to cover 926 villages and four towns of Sawai Madhopur and Karauli district with an estimated cost of Rs. 468.18 Crores. This will further strengthen the drinking water supply scenario in Karauli district.
24	Kota	There is no non-agricultural unmet demand.	-
25	Nagaur	There is no non-agricultural unmet demand.	There as an ongoing project - Nagaur Lift Water Supply Project for 5 towns and 502 villages of Nagaur district. The estimated cost of project is Rs. 761.00

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with estimated cost
			Crores.
26	Pali	There is some non-agricultural unmet demand, mainly located in the Pali block but also in the Rohat block. The maximum non-agricultural unmet demand of the district reaches an amount of about 35 Mm^3/yr for a dependability level of 90% in 2060, out of which 25 Mm^3/yr for domestic use.	There is an ongoing project to save water losses in open canal from Jawai dam to provide safe drinking water to additional 531 villages and 10 towns of Pali district by converting the existing canal system into pipeline from Jawai dam with an estimated cost of Rs. 634.79 Crores. Thus the shortages can be fulfilled by conservation of water being lost in open canal flow through seepage, evaporation and pilferage.
27	Pratapgarh	There is no non-agricultural unmet demand.	-
28	Rajsamand	There are small shortages, located in Bhim, Railmagra and Rajsamand blocks. For planning stage 2020, small shortages of less than 3 Mm^3 appear in the industrial sector and then there is also an unmet demand as regards domestic and livestock uses. The maximum non-agricultural unmet demand of the district is 28 Mm^3/yr, out of which ~ 5 Mm^3/yr for domestic use.	There is a proposed project aimed at transferring 98.5 Mm^3/yr water from Anas River (Mahi basin) to Rajsamand Dam (Rajsamand). The project also includes augmentation of Jaisamand Dam (Udaipur), Meja Dam (Bhilwara) and Bisalpur Dam (Tonk). The total estimated cost of the project is Rs. 3681.30 Crores. This will further augment the water availability in Rajsamand district.
29	Sawai Madhopur	There is no major problem of shortages.	There is an ongoing project to cover 926 villages and four towns of Sawai Madhopur and Karauli district with an estimated cost of Rs. 468.18 Crores. This will further strengthen the drinking water supply scenario in Sawai Madhopur district.
30	Sikar	There are shortages in the Piprali block, where the Sikar town is located, for planning stage 2040 and 2060. The maximum non-agricultural unmet demand of the district is 28 Mm^3/yr.	There is a proposal, Fatehpur-Laxmangarh Project, to provide safe drinking water to the 3 towns (Fatehpur, Laxmangarh and Ramgarh) and 286 villages of Sikar district with IGNP as source. The estimated cost of the project is Rs. 832.00 Crores. To solve the shortage problem of Piprali block this proposal should include supply to Sikar town and villages of Piprali block also.
31	Sirohi	There is no non-agricultural unmet demand.	-
32	Tonk	There is no non-agricultural unmet demand.	-
33	Udaipur	There are shortages, mainly in the Girwa block, where the Udaipur City is located. The demand is entirely met only for a dependability level of 25% and 50% at present and for a dependability level of 25% in planning stage 2020. The	There is an ongoing project Dewas Stage-II which consists of construction of two dams (total storage capacity 10.97 Mm^3) near Akodra and Madri villages of Jhadol and Girwa tehsils, respectively of Udaipur district to

S. No.	District	Supply coverage of the non-agricultural demand	Plans to fill gap with estimated cost
		maximum total unmet demand for non-agricultural uses in Udaipur district is 115 Mm^3/yr, out of which about 50 Mm^3/yr of domestic unmet demand in Udaipur City.	augment drinking water supply to Udaipur city. The estimated cost of the project is Rs. 379.19 Crores. The Dewas Stage-III is proposed near village Nathiyathal, under this a dam of 13.08 Mm^3 and a 11.05 km long tunnel is to be constructed. Near village Ambawa is proposed the last and fourth Stage of the project in which a dam with a capacity of 15.26 Mm^3 and a tunnel 4.30 km long will be built. The estimated cost of the project is Rs. 568.15 Crores. Also a proposed project aimed at transferring 140.05 Mm^3/yr water from Anas River (Mahi basin) to Jaisamand Dam (Udaipur). The project also includes augmentation of Rajsamand Dam (Rajsamand), Meja Dam (Bhilwara) and Bisalpur Dam (Tonk). The total estimated cost of the project is Rs. 3681.30 Crores. This will further augment the water availability in Udaipur district. There is another proposed project to transfer 131.93 Mm^3/yr water from Jakham Dam to Jaisamand Dam (Udaipur), which will further strengthen the water supply scenario in Udaipur district. The total estimated cost of project is Rs. 85.82 Crores.

Supply Coverage of the Irrigated Agricultural Demand

This category presents the minimum and maximum district-wise supply coverage of the agricultural demand over all dependability levels and planning stages inside CCA on one hand and outside CCA on another hand. The supply coverage inside CCA is expressed as a percentage that represents the part of the total of the district that can be fully exploited. The coverage outside CCA has been analysed for coverage considering full potential cultivable area as well as considering maximum area irrigated outside CCA during past few years. The district-wise analysis is given below which already includes the plans of rehabilitation of projects to fill gaps.

S. No.	District	Supply coverage of the Irrigated Agricultural Demand		
		Inside CCA of Surface Water Projects	Outside CCA of Surface Water Projects	
			Considering full potential cultivable area	Considering maximum area irrigated during past few years
1	Ajmer	6% to 94%	3% to 8%	27% to 70%
2	Alwar	20% to 90%	11% to 20%	15% to 27%
3	Banswara	24% to 100%	6% to 11%	52% to 95%
4	Baran	60% to 92%	20% to 23%	26% to 29%
5	Barmer	3% to 83%	< 3%	5% to 30%

S. No.	District	Supply coverage of the Irrigated Agricultural Demand		
		Inside CCA of Surface Water Projects	Outside CCA of Surface Water Projects	
			Considering full potential cultivable area	Considering maximum area irrigated during past few years
6	Bharatpur	20% to 58%	14% to 22%	17% to 25%
7	Bhilwara	10% to 82%	5% to 8%	29% to 43%
8	Bikaner	34% to 100%	4% to 8%	25% to 48%
9	Bundi	39% to 96%	11% to 13%	17% to 21%
10	Chittaurgarh	15% to 83%	6% to 11%	14% to 25%
11	Churu	31% to 100%	< 4%	16% to 32%
12	Dausa	27% to 98%	9% to 18%	14% to 28%
13	Dhaulpur	45% to 92%	21% to 29%	32% to 44%
14	Dungarpur	33% to 100%	4% to 7%	33% to 57%
15	Ganganagar	54% to 100%	-	-
16	Hanumangarh	48% to 100%	-	-
17	Jaipur	16% to 76%	7% to 12%	17% to 31%
18	Jaisalmer	6% to 25%	< 2%	7% to 37%
19	Jalore	26% to 97%	7% to 11%	20% to 32%
20	Jhalawar	47% to 95%	17% to 19%	30% to 34%
21	Jhunjhunu	5% to 99%	4% to 9%	7% to 15%
22	Jodhpur	26% to 95%	5% to 9%	22% to 38%
23	Karauli	27% to 100%	22% to 29%	42% to 55%
24	Kota	54% to 95%	19% to 25%	25% to 37%
25	Nagaur	8% to 89%	5% to 9%	23% to 40%
26	Pali	6% to 73%	< 5%	21% to 36%
27	Pratapgarh	25% to 94%	10% to 11%	27% to 32%
28	Rajsamand	1% to 47%	< 5%	7% to 34%
29	Sawai Madhopur	26% to 89%	16% to 20%	26% to 33%
30	Sikar	7% to 68%	3% to 9%	8% to 20%
31	Sirohi	13% to 84%	10% to 16%	32% to 48%
32	Tonk	20% to 96%	12% to 15%	34% to 42%
33	Udaipur	10% to 71%	2% to 7%	11% to 41%

The recommendations are given in Table C-7.1.

Table C-7.1 Action Plan based on Recommendations

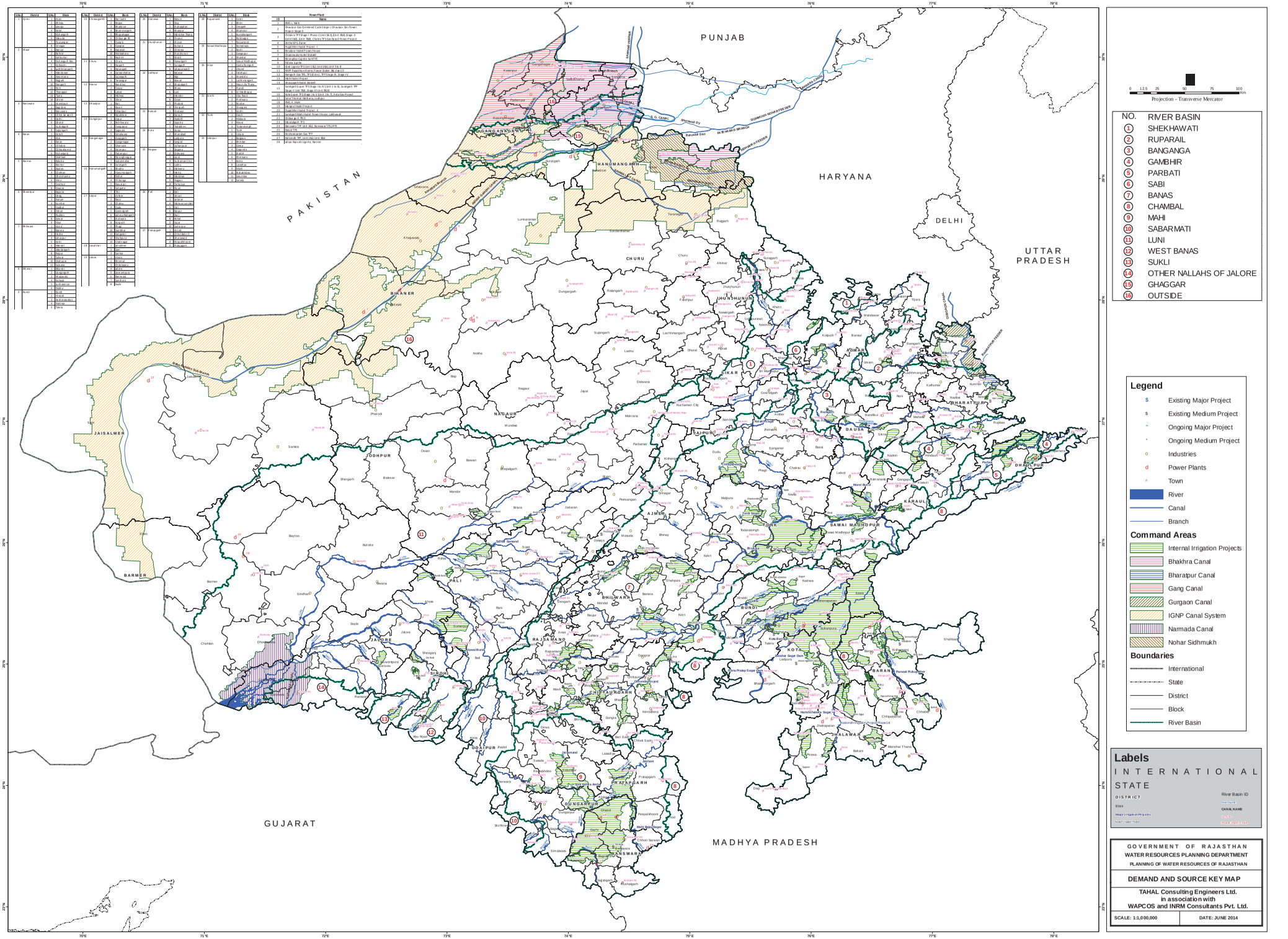
S. No.	Recommendations	Proposed Actions	Anticipated Value Addition	Responsibility
1	Supplement inflow to Bisalpur Dam	Study various options of supplementing inflow to Bisalpur Dam from Mahi and Chambal rivers, preparation of Detailed Project Reports and Implementation of selected option.	Augmentation of water supply to Ajmer and Jaipur cities and other towns being supplied from Bisalpur Dam.	SWRPD and WRD
2	Supplement inflow to Jaisamand Dam (Alwar)	Study various options of supplementing inflow to Jaisamand Dam (Alwar) from Chambal river, preparation of Detailed Project Reports and Implementation of selected option.	Augmentation of water supply to Alwar town.	SWRPD and WRD
3	Supplement inflow to Jaisamand Dam (Udaipur)	Study various options of supplementing inflow to Jaisamand Dam (Udaipur) from Anas river and Jakham Dam, preparation of Detailed Project Reports and Implementation of selected option.	Augmentation of water supply to Udaipur city.	SWRPD and WRD
4	Supplement inflow to Rajsamand Dam (Rajsamand)	Study various options of supplementing inflow to Rajsamand Dam (Rajsamand) from Anas river, preparation of Detailed Project Reports and Implementation of selected option.	Augmentation of inflow to Rajsamand Dam and utilization of storage.	SWRPD and WRD
5	Supplement inflow to Meja Dam (Bhilwara)	Study various options of supplementing inflow to Meja Dam (Bhilwara) from Anas river, preparation of Detailed Project Reports and Implementation of selected option.	Augmentation of inflow to Meja Dam and utilization of storage.	SWRPD and WRD
6	Supplement inflow to Ramgarh Dam (Jaipur)	Study various options of supplementing inflow to Ramgarh Dam (Jaipur) from Mej river, preparation of Detailed Project Reports and Implementation of selected option.	Augmentation of water supply to Jaipur city.	SWRPD and WRD
7	Construction of Isarda Dam	Preparation of Detailed Project Report for construction of Isarda Dam including its water availability.	Augmentation of water supply to Jaipur city.	SWRPD and WRD
8	Construction of Kalisindh Dam Phase II	Further necessary action for construction of Kalisindh Dam Stage II.	Increased power production in future.	SWRPD and WRD
9	Construction of proposed Parwan Major Irrigation Project	Preparation of Detailed Project Report for construction of Parwan Major Irrigation Project including its water availability.	Increased agriculture and power production in future.	SWRPD and WRD
10	Construction of Dewas Stage III and IV	Preparation of Detailed Project Report for construction of Dewas Stage III and IV and diversion of water to lakes of	Augmentation of water supply to Udaipur city.	SWRPD and WRD

S. No.	Recommendations	Proposed Actions	Anticipated Value Addition	Responsibility
		Udaipur city.		
11	Timely completion of ongoing water supply projects	1. Barmer Lift Canal Water Supply Project Phase I (Source of water: IGNP)	Drinking water supply to Barmer city, 412 villages of Barmer district and 161 villages of Jaisalmer district.	SWRPD and PHED
		2. Pokaran Phalsoond Balotra Lift Water Supply Project (Source of water: IGNP)	Drinking water supply to Pokran town (Jaisalmer district), Balotra and Siwana towns (Barmer district) and 580 villages of Barmer and Jaisalmer district.	SWRPD and PHED
		3. Chambal-Dhaulpur-Bharatpur Water Supply Project (Source of water: Chambal River)	Drinking water supply to 945 villages of Bharatpur district and 96 villages in Dhaulpur district and urban towns of Dhaulpur (partial), Bharatpur, Kumher, Deeg, Nagar and Kaman.	SWRPD and PHED
		4. Chambal Bhilwara Water Supply Project (Source of water: Chambal River)	Assured drinking water supply to towns and villages of Bhilwara district.	SWRPD and PHED
		5. Chambal-Sawai Madhopur-Nadoti Water Supply Project (Source of water: Chambal River)	Assured drinking water supply to 926 villages and 4 towns of Sawai Madhopur and Karauli district.	SWRPD and PHED
		6. Nagaur Lift Water Supply Project (Source of water: IGNP)	Assured drinking water supply to 5 towns and 502 villages of Nagaur district.	SWRPD and PHED
		7. Jawai-Pali pipeline project (Source of water: Jawai Dam)	Safe drinking water to 531 villages and 10 towns of Pali district.	SWRPD and PHED
		8. Water supply to Keoladeo National Park (Source of water: Goverdhan Drain)	Rejuvenation of the Park and increased migratory birds.	SWRPD and MoEF

S. No.	Recommendations	Proposed Actions	Anticipated Value Addition	Responsibility
12	Implementation of some proposed drinking water supply projects on priority	1. Barmer Lift Project Phase II (Source of water: IGNP)	Drinking water supply to 691 villages of Barmer district.	SWRPD and PHED
		2. Aapni Yojana Phase II (Source of water: IGNP)	Drinking water supply to 431 villages of Churu district and 13 villages of Jhunjhunu and 6 towns of Churu district.	SWRPD and PHED
		3. Fatehpur-Laxmangarh Project (Source of water: IGNP) Note: This project should also include supply to Sikar town and villages of Piprali block of Sikar district	Drinking water supply to 3 towns (Fatehpur, Laxmangarh and Ramgarh) and 286 villages of Sikar district and to Sikar town and villages of Piprali block of Sikar district.	SWRPD and PHED
13	Reduction in distribution losses of piped drinking water supply schemes	Rehabilitation of piped drinking water supply distribution system considering the following studies: 1) Benchmarking of Urban water supply schemes of Rajasthan (by SMEC, Dec'2012) 2) Benchmarking of Rural water supply schemes of Rajasthan (by Ramky Enviro Engineers Ltd.)	Reduction in losses resulting in more supply coverage.	SWRPD and PHED
14	Review of Inter-State matters	Inter-State agreements of Rajasthan with Gujarat, Haryana and Punjab should be reviewed for additional utilization of water from outside Rajasthan.	Increased water resources to fill gaps.	SWRPD, WRD and GoR
15	Catchment Treatment to reduce sedimentation of reservoirs	The life span of a reservoir is greatly reduced due to erosion and other development like construction of roads etc. in the catchment area. Adequate preventive measures are thus needed for the treatment of catchment of reservoirs for its stabilization against future erosion and proper cross-drainage.	Reduction in reservoir sedimentation and prevention of cutting of catchment resulting in less effect on water availability in reservoirs in future.	SWRPD, WRD, Watershed Development & Soil Conservation Department and Rajasthan State Road Development & Construction Corporation Ltd.

S. No.	Recommendations	Proposed Actions	Anticipated Value Addition	Responsibility
16	Utilization of water stored in abandoned mine-pits	There is a lot of water stored in abandoned mine-pits in Rajasthan. Further studies on feasibility of its utilization should be carried out.	Additional water for utilization.	SWRPD and WRD
17	Utilization of National Highway and State Highway storm-runoff	Study on feasibility of utilization of National Highway and State Highway storm-runoff by diverting it to nearby areas/waterbodies should be carried out.	Additional water for utilization.	SWRPD, WRD and National and State Highway Authority
18	Utilization of treated brackish groundwater	Treated brackish groundwater of Matasukh mines is being supplied to villages of Jayal Block of Nagaur District. Similar options should be studied in future.	Additional water for utilization.	SWRPD, RGWD, PHED and Rajasthan Department of Mines and Geology
19	Utilization of Ghaggar flood water	Study on feasibility of harvesting of Ghaggar flood water draining to Pakistan and its use for augmenting groundwater resources should be carried out.	Additional water for utilization, which otherwise is lost.	SWRPD and WRD
20	Utilization of surplus imported water during rainy season	Study on feasibility of utilization of surplus water in IGNP, Bhakhra and Gang Canal System during rainy season, if any, for artificial recharge.	Augmentation of groundwater resources.	SWRPD, WRD and RGWD
21	Master Plan for Artificial Groundwater Recharge	Master Plan for artificial recharge through available surplus internal surface water and imported canal water should be prepared since more than 60% of the irrigated area is through groundwater, which is facing significantly declining water levels.	Augmentation of groundwater resources.	SWRPD, WRD and RGWD
22	Artificial Groundwater Recharge and Waste Water Reuse in Urban Areas	Study on "Artificial Groundwater Recharge and Waste Water Reuse for Jaipur City" was carried out by ANTEA International of France. Similar studies/work should be carried out for other big cities of Rajasthan. Follow up of all such studies to be done by respective departments.	Augmentation of groundwater resources and waste water reuse as additional source of water.	SWRPD, WRD, RGWD and PHED
23	Follow up of recent studies carried out in Rajasthan related to water sector	Follow up of Groundwater study and related software developed by ROLTA and Study on Benchmarking of Irrigation Projects by WAPCOS and any other study	Proper implementation and monitoring of projects.	RGWD, WRD and SWRPD

S. No.	Recommendations	Proposed Actions	Anticipated Value Addition	Responsibility
		related to water sector.		
24	Impact assessment of new structures	For any new structures, anicut etc. the impact assessment for downstream water bodies to be mandatorily worked out.	Prevention of reduction in inflow to existing water bodies.	SWRPD and WRD
25	Investigations and Studies to find out reasons for reduced inflow to Pushkar Lake and other similar cases	Further investigations and studies should be carried out to find out the reasons for reduced inflows to Pushkar Lake and other similar cases and accordingly preventive measures should be taken.	Rejuvenation of Pushkar Lake and other similar cases.	SWRPD and WRD
26	Reduction in evaporation losses from small water harvesting structures	In order to reduce evaporation losses from small rain water harvesting structures, the water should be lifted after the month of March and stored in tankas to meet the drinking water requirement during summer or construct recharge shaft to recharge groundwater and ensure that water recharges by March: as the evaporation is about 50-60% of annual evaporation during the summer months.	Reduction in evaporation losses and groundwater recharge.	SWRPD, WRD and RGWD
27	Holistic approach in water resources planning and management	At present, there is no holistic approach and each department of Rajasthan is working without taking into account concern of other relevant department on various water related issues. There should be one department for planning i.e. SWRPD. Restructuring of SWRPD and RGWD is a must to meet the future challenges, which is necessary to implement state water policy action plan, community participation, proper data collection, enforcing legal issues, etc.	Integrated water resources planning and management.	SWRPD, RGWD, other related Departments and GoR



Sl.No.	District	Sl.No.	Block
1	Alwar	1	Alwar
		2	Bansur
		3	Dhirawal
		4	Kathumar
		5	Kishangarh Bas
		6	Malakhera
		7	Pratapgarh
		8	Rajgarh
		9	Ramgarh
		10	Tijara
		11	Thanagazi
2	Banswara	1	Anandpuri
		2	Bagidora
		3	Ghatol
		4	Garhi
		5	Kushalgarh
		6	Sajjangarh
		7	Talwara
3	Baran	1	Anta
		2	Atru
		3	Baran
		4	Chhabra
		5	Chhipabarod
		6	Mangrol
		7	Shergarh
4	Barmer	1	Barmer
		2	Baytoo
		3	Chohtan
		4	Gudha
		5	Pachpadra
		6	Sedwa
		7	Siwana
		8	Sindhari
5	Bharatpur	1	Bayana
		2	Bharatpur
		3	Deeg
		4	Kaman
		5	Nadbai
		6	Nagar
		7	Nohjheel
		8	Pahari
		9	Rupbas
6	Bhilwara	1	Asind
		2	Banera
		3	Bhilwara
		4	Gangapur
		5	Hamirgarh
		6	Jahazpur
		7	Kotri
		8	Mandal
		9	Mandalgarh
		10	Parbatsar
		11	Raipur
		12	Sahara
		13	Shahpura
		14	Suwaliya
7	Bikaner	1	Bikaner
		2	Chhatargarh
		3	Dungargarh
		4	Kolayat
		5	Khajuwala
		6	Lunkaransar
		7	Nokha
		8	Pugal
		9	Sridungargarh
8	Bundi	1	Bundi
		2	Hindoli
		3	Keshoraipatan
		4	Lakheri
		5	Nainwa
		6	Talera
9	Chittorgarh	1	Bari Sadri
		2	Begun
		3	Bhadesar
		4	Chittorgarh
		5	Dungla
		6	Gangrar
		7	Kapasan
		8	Nimbahera
		9	Rashmi
		10	Rawatbhata
		11	Rawatbhata (NPP)
		12	Sawa
10	Churu	1	Churu
		2	Dungargarh
		3	Ratangarh
		4	Rajgarh
		5	Sardarshahar
		6	Taranagar
		7	Sujangarh
		8	Lachhmangarh
11	Dausa	1	Bandikui
		2	Dausa
		3	Lalsot
		4	Mahwa
		5	Sikrai
12	Dholpur	1	Baseri
		2	Dholpur
		3	Rajakhera
		4	Saipau
13	Dungarpur	1	Aspur
		2	Dungarpur
		3	Sabla
		4	Simalwara
		5	Thana
14	Ganganagar	1	Anupgarh
		2	Chak
		3	Ganganagar
		4	Gharsana
		5	Karanpur
		6	Padampur
		7	Raisinghnagar
		8	Sangaria
15	Hanumangarh	1	Hanumangarh
		2	Nohar
		3	Pilibanga
		4	Rawatsar
		5	Sangaria
		6	Tibbi
16	Jaipur	1	Amber
		2	Bagru
		3	Chaksu
		4	Chomu
		5	Dudu
		6	Jaipur
		7	Jamwa Ramgarh
		8	Jhotwara
		9	Kotputli
		10	Phagi
		11	Sambhar
		12	Shahpura
		13	Sanganer
		14	Viratnagar
17	Jaisalmer	1	Fatehgarh
		2	Jaisalmer
		3	Pokaran
		4	Ramgarh
		5	Sam
		6	Sankra
		7	Sheo
18	Jalore	1	Ahore
		2	Bagora
		3	Bhinmal
		4	Chitalwana
		5	Gudha Malani
		6	Jalore
		7	Jaswantpura
		8	Raniwara
		9	Sanchore
		10	Santalpur
		11	Sayla
		12	Siwana
19	Jhalawar	1	Aklera
		2	Asnawar
		3	Bakani
		4	Dag
		5	Gangdhar
		6	Jhalrapatan
		7	Khanpur
		8	Manohar Thana
		9	Pachpahar
		10	Pirawa
20	Jhunjhunun	1	Buhana
		2	Chirawa
		3	Gudha
		4	Jhunjhunun
		5	Khetri
		6	Mukundgarh
		7	Nawalgarh
		8	Pilani
		9	Surajgarh
21	Jodhpur	1	Bawari
		2	Bilara
		3	Jodhpur
		4	Lohawat
		5	Luni
		6	Mandor
		7	Osian
		8	Phalodi
		9	Shergarh
		10	Tinwari
22	Karauli	1	Hindaun
		2	Karauli
		3	Mandrayal
		4	Nadoti
		5	Sapotra
23	Kota	1	Digod
		2	Kota
		3	Ladpura
		4	Ramganj Mandi
		5	Sangod
24	Nagaur	1	Degana
		2	Jayal
		3	Kuchaman City
		4	Ladnu
		5	Makrana
		6	Merta
		7	Nagaur
		8	Nawa
		9	Parbatsar
		10	Riyan Bari
		11	Unhel
25	Pali	1	Bali
		2	Desuri
		3	Jaitaran
		4	Marwar Junction
		5	Pali
		6	Rohat
		7	Sadri
		8	Sojat
		9	Sumerpur
26	Pratapgarh	1	Arnod
		2	Chhoti Sadri
		3	Dhariawad
		4	Pratapgarh
		5	Peepalkhoont
27	Rajsamand	1	Amet
		2	Bhim
		3	Deogarh
		4	Kumbhalgarh
		5	Nathdwara
		6	Rajsamand
		7	Railmagra
28	Sawai Madhopur	1	Bamanwas
		2	Gangapur City
		3	Khandar
		4	Sawai Madhopur
29	Sikar	1	Dantaramgarh
		2	Fatehpur
		3	Lachhmangarh
		4	Neem Ka Thana
		5	Sikar
		6	Srimadhopur
30	Sirohi	1	Abu Road
		2	Pindwara
		3	Reodar
		4	Sheoganj
		5	Sirohi
31	Tonk	1	Deoli
		2	Malpura
		3	Niwai
		4	Peeplu
		5	Todaraisingh
		6	Tonk
32	Udaipur	1	Badgaon
		2	Girwa
		3	Gogunda
		4	Jhadol
		5	Kherwara
		6	Kotra
		7	Lasadiya
		8	Mavli
		9	Rishabhdeo
		10	Salumbar
		11	Sarada
		12	Vallabhnagar
		13	Udaipur

ID	Power Plant Name
1	RAPS C, RAPS D
2	Dhabla Dhir Combined Cycle Unit 1, Dholpur Gas Power Project Stage-II
3	Dholpur RPP Stage-I Phase-I (Unit-1 & 2) And 3&4) (Stage-II Unit-3 &4), Extn. Of 3&4), Chachai TPS Gas Based Power Project
4	Kota STPS, Stage-I
5	Rajasthan Hydel Project - I
6	Dholpur Hydel Power House
7	Dhaulikhera Hydel Project
8	Devendra Nagar Ext. to NTPC
9	Mahi Bajaj Sagar
10	Dadri Gas Power Station (NCL) Unit 1 to 4
11	Ramgarh Gas Thermal Power Station, Stage-I & II
12	Barsingsar Lignite TPS, 1*10.0 MW + 1*7.5 MW & Extn. Stage-I 1*250 MW
13	Giral Lignite Project
14	Suratgarh Super TPS Stage-I to IV (Unit-1 to 6), Suratgarh TPP Stage-V Unit-7&8, Stage-VI Unit-9 &10
15	Kota Super TPS Stage-I to V (Unit-1 to 7), Extn.Kota Project
16	Giral Thermal Lignite Project
17	RWCC, Kota
18	Mahi Hydel Project
19	Rajasthan Hydel Project - II
20	Rajasthan Hydel Power House, Ladhpura
21	Dholpur Gas TPS
22	Ramgarh TPP
23	Barsingsar LTPP, 2*125 MW, Barsingsar LTPS, 2*125
24	Kota STPS
25	Ramgarh TPP, Unit-3 &4, Unit-4 &5
26	Jaisalmer Lignite Power Plant

Projection - Transverse Mercator

NO.	RIVER BASIN
1	SHEKHAWATI
2	RUPARAIL
3	BANGANGA
4	GAMBHIR
5	PARBATI
6	SABI
7	BANAS
8	CHAMBAL
9	MAHI
10	SABARMATI
11	LUNI
12	WEST BANAS
13	SUKLI
14	OTHER NALLAHS OF JALORE
15	GHAGGAR
16	OUTSIDE

Legend

- Existing Major Project
- Existing Medium Project
- Ongoing Major Project
- Ongoing Medium Project
- Industries
- Power Plants
- Town
- River
- Canal
- Branch

Command Areas

- Internal Irrigation Projects
- Bhakhra Canal
- Bharatpur Canal
- Gang Canal
- Gurgaon Canal
- IGNP Canal System
- Narmada Canal
- Nohar Sidhmukh

Boundaries

- International
- State
- District
- Block
- River Basin

Labels

INTERNATIONAL

STATE

DISTRICT

Block

River Basin ID

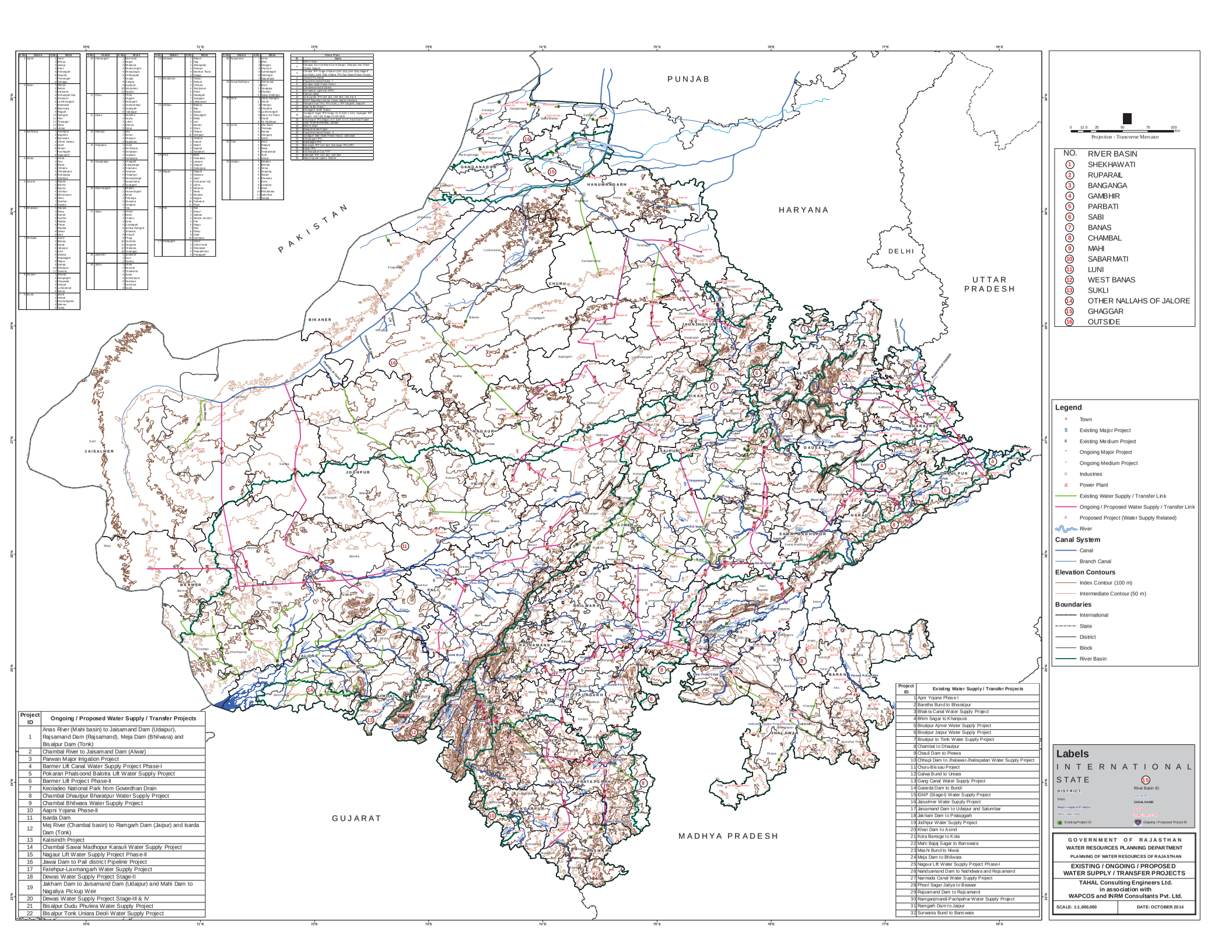
CANAL NAME

GOVERNMENT OF RAJASTHAN
WATER RESOURCES PLANNING DEPARTMENT
PLANNING OF WATER RESOURCES OF RAJASTHAN

DEMAND AND SOURCE KEY MAP

TAHAL Consulting Engineers Ltd.
in association with
WAPCOS and INRM Consultants Pvt. Ltd.

SCALE: 1:1,0 00,000 | DATE: JUNE 2014



NO.	RIVER BASIN
1	SHEKHAWATI
2	RUPARAIL
3	BANGANGA
4	GAMBHIR
5	PARBATI
6	SABI
7	BANAS
8	CHAMBAL
9	MAHI
10	SABARMATI
11	LUNI
12	WEST BANAS
13	SUKLI
14	OTHER NALLAHS OF JALORE
15	GHAGGAR
16	OUTSIDE

Legend

- Town
- Existing Major Project
- Existing Medium Project
- Ongoing Major Project
- Ongoing Medium Project
- Industries
- Power Plant
- Existing Water Supply / Transfer Link
- Ongoing / Proposed Water Supply / Transfer Link
- Proposed Project (Water Supply Related)
- River

Canal System

- Canal
- Branch Canal

Elevation Contours

- Index Contour (100 m)
- Intermediate Contour (50 m)

Boundaries

- International
- State
- District
- Block
- River Basin

Labels

INTERNATIONAL
STATE
DISTRICT
Block
Major Irrigation Projects
Minor Irrigation Projects
Existing Project ID
River Basin ID
CANAL NAME
Ongoing / Proposed Project ID

Project ID	Ongoing / Proposed Water Supply / Transfer Projects
1	Anas River (Mahi basin) to Jaisamand Dam (Udaipur), Rajsamand Dam (Rajsamand), Meja Dam (Bhilwara) and Bisalpur Dam (Tonk)
2	Chambal River to Jaisamand Dam (Alwar)
3	Parwan Major Irrigation Project
4	Barmer Lift Canal Water Supply Project Phase-I
5	Pokaran Phalsoond Balotra Lift Water Supply Project
6	Barmer Lift Project Phase-II
7	Keoladeo National Park from Goverdhan Drain
8	Chambal Dhaulpur Bharatpur Water Supply Project
9	Chambal Bhilwara Water Supply Project
10	Aapni Yojana Phase-II
11	Isarda Dam
12	Mej River (Chambal basin) to Ramgarh Dam (Jaipur) and Isarda Dam (Tonk)
13	Kalisindh Project
14	Chambal Sawai Madhopur Karauli Water Supply Project
15	Nagaur Lift Water Supply Project Phase-II
16	Jawai Dam to Pali district Pipeline Project
17	Fatehpur-Laxmangarh Water Supply Project
18	Dewas Water Supply Project Stage-II
19	Jakham Dam to Jaisamand Dam (Udaipur) and Mahi Dam to Nagaliya Pickup Weir
20	Dewas Water Supply Project Stage-III & IV
21	Bisalpur Dudu Phulera Water Supply Project
22	Bisalpur Tonk Uniara Deoli Water Supply Project

Project ID	Existing Water Supply / Transfer Projects
1	Apni Yojana Phase I
2	Baretha Bund to Bharatpur
3	Bhakra Canal Water Supply Project
4	Bhim Sagar to Khanpura
5	Bisalpur Ajmer Water Supply Project
6	Bisalpur Jaipur Water Supply Project
7	Bisalpur to Tonk Water Supply Project
8	Chambal to Dhaulpur
9	Chauli Dam to Pirawa
10	Chhapi Dam to Jhalawar-Jhalrapatan Water Supply Project
11	Churu-Bissau Project
12	Galwa Bund to Uniara
13	Gang Canal Water Supply Project
14	Garanda Dam to Bundi
15	IGNP (Stage-I) Water Supply Project
16	Jaisalmer Water Supply Project
17	Jaisamand Dam to Udaipur and Salumbar
18	Jakham Dam to Pratapgarh
19	Jodhpur Water Supply Project
20	Khari Dam to Asind
21	Kota Barrage to Kota
22	Mahi Bajaj Sagar to Banswara
23	Mashi Bund to Niwai
24	Meja Dam to Bhilwara
25	Nagaur Lift Water Supply Project Phase-I
26	Nandsamand Dam to Nathdwara and Rajsamand
27	Narmada Canal Water Supply Project
28	Phool Sagar Jaliya to Beawar
29	Rajsamand Dam to Rajsamand
30	Ramganjmandi-Pachpahar Water Supply Project
31	Ramgarh Dam to Jaipur
32	Surwania Bund to Banswara

GOVERNMENT OF RAJASTHAN
WATER RESOURCES PLANNING DEPARTMENT
PLANNING OF WATER RESOURCES OF RAJASTHAN

EXISTING / ONGOING / PROPOSED WATER SUPPLY / TRANSFER PROJECTS

TAHAL Consulting Engineers Ltd.
in association with
WAPCOS and INRM Consultants Pvt. Ltd.

SCALE: 1:1,000,000 | DATE: OCTOBER 2014

Final Report No. 4.6

Volume 2 of 2

Appendices

Appendix B-1: Population Data (Census 2011)

Table B-1.1 Rural and Urban Population by Districts and Tehsils (Census 2011)

S. No.	District	Tehsil					Block				
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
1	Ajmer	1	Kishangarh	263345	154886	418231	1	Arain	165766	20372	186138
		2	Ajmer	220616	577838	798454	2	Bhinay	178573	0	178573
		3	Peesangan	127803	0	127803	3	Jawaja	191783	151152	342935
		4	Beawar	191783	151152	342935	4	Kekri	160868	41890	202758
		5	Masuda	185713	38468	224181	5	Kishangarh	179838	154886	334724
		6	Nasirabad	136682	50804	187486	6	Masuda	185713	38468	224181
		7	Bhinay	126466	0	126466	7	Peesangan	285443	628642	914085
		8	Sarwar	134366	20372	154738	8	Srinagar	199658	0	199658
		9	Kekri	160868	41890	202758					
			Total	**1547642**	**1035410**	**2583052**		**Total**	**1547642**	**1035410**	**2583052**
2	Alwar	1	Behror	312737	46511	359248	1	Bansur	263663	0	263663
		2	Mandawar	231628	0	231628	2	Behror	148769	46511	195280
		3	Kotkasim	137339	0	137339	3	Kathumar	252721	17634	270355
		4	Tijara	257436	139139	396575	4	Kishangarh Bas	186598	50727	237325
		5	Kishangarh Bas	150552	50727	201279	5	Kotkasim	137339	0	137339
		6	Ramgarh	243076	13529	256605	6	Lachhmangarh	267076	11552	278628
		7	Alwar	355128	348728	703856	7	Mandawar	231628	0	231628
		8	Bansur	263663	0	263663	8	Nimarana	163968	0	163968
		9	Thanagazi	233395	0	233395	9	Rajgarh	218821	26631	245452
		10	Rajgarh	330096	26631	356727	10	Ramgarh	247595	13529	261124
		11	Lachhmangarh	277119	11552	288671	11	Reni	111275	0	111275
		12	Kathumar	227559	17634	245193	12	Thanagazi	233395	0	233395
							13	Tijara	257436	139139	396575
							14	Umren	299444	348728	648172
			Total	**3019728**	**654451**	**3674179**		**Total**	**3019728**	**654451**	**3674179**
3	Banswara	1	Ghatol	287101	0	287101	1	Anandpur	150913	0	150913
		2	Garhi	282802	15938	298740	2	Bagidora	222912	0	222912

S. No.	District	Tehsil					Block				
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
		3	Banswara	357570	101017	458587	3	Banswara	237963	101017	338980
		4	Bagidora	373825	0	373825	4	Choti Sarwan	119607	0	119607
		5	Kushalgarh	368566	10666	379232	5	Ghari	282802	15938	298740
							6	Ghatol	287101	0	287101
							7	Kushalgarh	232934	10666	243600
							8	Sajjangarh	135632	0	135632
			Total	**1669864**	**127621**	**1797485**		**Total**	**1669864**	**127621**	**1797485**
4	Baran	1	Mangrol	81890	25073	106963	1	Antah	169551	57450	227001
		2	Antah	87661	32377	120038	2	Atru	122309	27650	149959
		3	Baran	95563	117992	213555	3	Baran	95563	117992	213555
		4	Atru	122309	27650	149959	4	Chhabra	120144	32285	152429
		5	Kishanganj	166864	0	166864	5	Chhipabarod	152049	18837	170886
		6	Shahbad	142061	0	142061	6	Kishanganj	166864	0	166864
		7	Chhabra	120144	32285	152429	7	Shahbad	142061	0	142061
		8	Chhipabarod	152049	18837	170886					
			Total	**968541**	**254214**	**1222755**		**Total**	**968541**	**254214**	**1222755**
5	Barmer	1	Sheo	237080	0	237080	1	Balotra	348288	74496	422784
		2	Baytoo	253350	0	253350	2	Barmer	337040	100828	437868
		3	Pachpadra	348288	74496	422784	3	Baytoo	289384	0	289384
		4	Siwana	272560	0	272560	4	Chohtan	336877	0	336877
		5	Gudha Malani	447398	6513	453911	5	Dhorimanna	292311	0	292311
		6	Barmer	269893	100828	370721	6	Sheo	237080	0	237080
		7	Ramsar	108001	0	108001	7	Sindhari	308374	6513	314887
		8	Chohtan	485344	0	485344	8	Siwana	272560	0	272560
			Total	**2421914**	**181837**	**2603751**		**Total**	**2421914**	**181837**	**2603751**
6	Bharatpur	1	Pahari	198897	0	198897	1	Bayana	225144	44368	269512
		2	Kaman	165909	38040	203949	2	Deeg	181711	44999	226710
		3	Nagar	216286	25572	241858	3	Kaman	283218	38040	321258
		4	Deeg	181711	44999	226710	4	Kumher	177801	23540	201341
		5	Nadbai	188725	26411	215136	5	Nadbai	188725	26411	215136
		6	Kumher	177801	23540	201341	6	Nagar	297874	25572	323446

S. No.	District	Tehsil					Block				
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
		7	Bharatpur	200177	252838	453015	7	Rupbas	257952	0	257952
		8	Weir	240761	39331	280092	8	Sewar	200177	252838	453015
		9	Bayana	225144	44368	269512	9	Weir	240761	39331	280092
		10	Rupbas	257952	0	257952					
			Total	**2053363**	**495099**	**2548462**		**Total**	**2053363**	**495099**	**2548462**
7	Bhilwara	1	Asind	237519	16611	254130	1	Asind	237519	16611	254130
		2	Hurda	111428	27215	138643	2	Banera	123714	0	123714
		3	Shahpura	176700	30320	207020	3	Hurda	111428	27215	138643
		4	Banera	123714	0	123714	4	Jahazpur	197187	20586	217773
		5	Mandal	235640	0	235640	5	Kotri	174701	0	174701
		6	Raipur	97869	0	97869	6	Mandal	235640	0	235640
		7	Sahara	116309	18777	135086	7	Mandalgarh	238202	27984	266186
		8	Bhilwara	186600	371161	557761	8	Raipur	97869	0	97869
		9	Kotri	174701	0	174701	9	Sahara	116309	18777	135086
		10	Jahazpur	197187	20586	217773	10	Shahpura	176700	30320	207020
		11	Mandalgarh	162859	13844	176703	11	Suwana	186600	371161	557761
		12	Beejoliya	75343	14140	89483					
			Total	**1895869**	**512654**	**2408523**		**Total**	**1895869**	**512654**	**2408523**
8	Bikaner	1	Bikaner	256830	662876	919706	1	Bikaner	270175	662876	933051
		2	Poogal	67163	0	67163	2	Dungargarh	241025	53294	294319
		3	Lunkaransar	213627	0	213627	3	Khajuwala	166475	11831	178306
		4	Kolayat	251344	9684	261028	4	Kolayat	251344	9684	261028
		5	Nokha	374177	62699	436876	5	Lunkaransar	260357	0	260357
		6	Khajuwala	76899	11831	88730	6	Nokha	374177	62699	436876
		7	Chhatargarh	82488	0	82488					
		8	Sri dungargarh	241025	53294	294319					
			Total	**1563553**	**800384**	**2363937**		**Total**	**1563553**	**800384**	**2363937**
9	Bundi	1	Hindoli	219968	1633	221601	1	Bundi	151746	104457	256203
		2	Nainwa	176585	19485	196070	2	Hindoli	219968	1633	221601
		3	Indragarh	87066	40649	127715	3	Keshoraipatan	195678	86024	281702
		4	Keshoraipatan	108612	45375	153987	4	Nainwa	176585	19485	196070

S. No.	District	Tehsil					Block				
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
		5	Bundi	295974	115559	411533	5	Talera	144228	11102	155330
			Total	**888205**	**222701**	**1110906**		**Total**	**888205**	**222701**	**1110906**
10	Chittaurgarh	1	Rashmi	88670	0	88670	1	Badi Sadri	100553	15713	116266
		2	Gangrar	103933	0	103933	2	Begun	118005	20705	138710
		3	Begun	114635	20705	135340	3	Bhadesar	123930	0	123930
		4	Rawatbhata	102429	37699	140128	4	Bainsrorgarh	99059	37699	136758
		5	Chittaurgarh	184005	128329	312334	5	Bhopalsagar	81097	0	81097
		6	Kapasan	178471	20869	199340	6	Chittorgarh	184005	128329	312334
		7	Dungla	104607	0	104607	7	Dungla	104607	0	104607
		8	Bhadesar	123930	0	123930	8	Gangrar	103933	0	103933
		9	Nimbahera	157841	61949	219790	9	Kapasan	97374	20869	118243
		10	Bari Sadri	100553	15713	116266	10	Nimbahera	157841	61949	219790
							11	Rashmi	88670	0	88670
			Total	**1259074**	**285264**	**1544338**		**Total**	**1259074**	**285264**	**1544338**
11	Churu	1	Taranagar	179191	32640	211831	1	Churu	177564	132998	310562
		2	Rajgarh	303389	59193	362582	2	Rajgarh	303389	59193	362582
		3	Sardarshahar	286563	95911	382474	3	Ratangarh	193516	98543	292059
		4	Churu	177564	132998	310562	4	Sardarshahar	286563	95911	382474
		5	Ratangarh	193516	98543	292059	5	Sujangarh	323089	156950	480039
		6	Sujangarh	323089	156950	480039	6	Taranagar	179191	32640	211831
			Total	**1463312**	**576235**	**2039547**		**Total**	**1463312**	**576235**	**2039547**
12	Dausa	1	Baswa	294214	44664	338878	1	Bandikui	294214	44664	338878
		2	Mahwa	227861	36806	264667	2	Dausa	334977	85960	420937
		3	Sikrai	260484	0	260484	3	Lalsot	315080	34363	349443
		4	Dausa	334977	85960	420937	4	Mahwa	227861	36806	264667
		5	Lalsot	315080	34363	349443	5	Sikrai	260484	0	260484
			Total	**1432616**	**201793**	**1634409**		**Total**	**1432616**	**201793**	**1634409**
13	Dhaulpur	1	Baseri	226786	17988	244774	1	Bari	182929	62721	245650
		2	Bari	182929	62721	245650	2	Baseri	226786	17988	244774
		3	Sepau	191079	0	191079	3	Dholpur	326440	133075	459515
		4	Dhaulpur	228034	133075	361109	4	Rajakhera	222911	33666	256577

S. No.	District	Tehsil					Block				
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
		5	Rajakhera	130238	33666	163904					
			Total	**959066**	**247450**	**1206516**		**Total**	**959066**	**247450**	**1206516**
14	Dungarpur	1	Dungarpur	447717	47706	495423	1	Aspur	224243	0	224243
		2	Aspur	224243	0	224243	2	Bichhiwara	335617	47706	383323
		3	Sagwara	309086	34146	343232	3	Dungarpur	195648	0	195648
		4	Simalwara	318763	6891	325654	4	Sagwara	244703	34146	278849
							5	Simalwara	299598	6891	306489
			Total	**1299809**	**88743**	**1388552**		**Total**	**1299809**	**88743**	**1388552**
15	Ganganagar	1	Karanpur	111571	35307	146878	1	Anupgarh	196500	56599	253099
		2	Ganganagar	231726	249914	481640	2	Ganganagar	199238	249914	449152
		3	Sadulshahar	122132	36341	158473	3	Gharsana	218934	29990	248924
		4	Padampur	134303	28415	162718	4	Karanpur	111571	35307	146878
		5	Raisinghnagar	168125	28330	196455	5	Padampur	134303	28415	162718
		6	Anupgarh	153546	30877	184423	6	Raisinghnagar	168125	28330	196455
		7	Gharsana	141840	29990	171830	7	Sadulshahar	154620	36341	190961
		8	Vijainagar	120048	25722	145770	8	Suratgarh	250445	70536	320981
		9	Suratgarh	250445	70536	320981					
			Total	**1433736**	**535432**	**1969168**		**Total**	**1433736**	**535432**	**1969168**
16	Hanumangarh	1	Sangaria	122524	36619	159143	1	Bhadra	249656	40662	290318
		2	Tibi	165217	0	165217	2	Hanumangarh	292440	150958	443398
		3	Hanumangarh	273661	150958	424619	3	Nohar	264752	49835	314587
		4	Pilibanga	178427	37288	215715	4	Pilibanga	178427	37288	215715
		5	Rawatsar	169991	35102	205093	5	Rawatsar	169991	35102	205093
		6	Nohar	264752	49835	314587	6	Sangaria	95973	36619	132592
		7	Bhadra	249656	40662	290318	7	Tibi	172989	0	172989
			Total	**1424228**	**350464**	**1774692**		**Total**	**1424228**	**350464**	**1774692**
17	Jaipur	1	Kotputli	364054	49202	413256	1	Amber	319630	132375	452005
		2	Viratnagar	145519	20568	166087	2	Bassi	235165	48429	283594
		3	Shahpura	218450	54182	272632	3	Chaksu	190202	33432	223634
		4	Chomu	322857	72152	395009	4	Dudu	352299	0	352299
		5	Phulera (Hq.Sambhar)	355132	88973	444105	5	Govindgarh	322857	72152	395009

S. No.	District	Tehsil					Block				
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
		6	Mauzamabad	213016	0	213016	6	Jamwa Ramgarh	295571	7665	303236
		7	Phagi	191126	0	191126	7	Jhotwara	128716	2170066	2298782
		8	Sanganer	174893	794803	969696	8	Kotputli	295648	49202	344850
		9	Jaipur	128716	2170066	2298782	9	Phagi	191126	0	191126
		10	Amber	319630	132375	452005	10	Sambhar	215849	88973	304822
		11	Jamwa Ramgarh	295571	7665	303236	11	Sanganer	174893	794803	969696
		12	Bassi	235165	48429	283594	12	Shahpura	193831	54182	248013
		13	Chaksu	190202	33432	223634	13	Viratnagar	238544	20568	259112
			Total	**3154331**	**3471847**	**6626178**		**Total**	**3154331**	**3471847**	**6626178**
18	Jaisalmer	1	Jaisalmer	199766	65471	265237	1	Jaisalmer	186792	65471	252263
		2	Pokaran	280108	23554	303662	2	Som	236597	0	236597
		3	Fatehgarh	101020	0	101020	3	Sankra	157505	23554	181059
			Total	**580894**	**89025**	**669919**		**Total**	**580894**	**89025**	**669919**
19	Jalore	1	Sayla	176682	0	176682	1	Ahore	191832	16867	208699
		2	Ahore	222775	16867	239642	2	Bhinmal	208533	0	208533
		3	Jalor	210342	54081	264423	3	Chitalwana	269977	0	269977
		4	Bhinmal	254621	47932	302553	4	Jalore	160093	54081	214174
		5	Bagora	151141	0	151141	5	Jaswantpura	197229	47932	245161
		6	Sanchore	454583	32875	487458	6	Raniwara	206831	0	206831
		7	Raniwara	206831	0	206831	7	Sanchore	184606	32875	217481
							8	Sayla	257874	0	257874
			Total	**1676975**	**151755**	**1828730**		**Total**	**1676975**	**151755**	**1828730**
20	Jhalawar	1	Khanpur	159345	13848	173193	1	Bakani	172315	26240	198555
		2	Jhalrapatan	242470	114237	356707	2	Dag	202017	8584	210601
		3	Aklera	152331	26240	178571	3	Jhalrapatan	251674	156520	408194
		4	Manohar Thana	131783	11292	143075	4	Khanpur	159345	13848	173193
		5	Pachpahar	137135	42283	179418	5	ManoharThana	196615	11292	207907
		6	Pirawa	199872	12807	212679	6	Pirawa	199872	12807	212679
		7	Gangdhar	158902	8584	167486					
			Total	**1181838**	**229291**	**1411129**		**Total**	**1181838**	**229291**	**1411129**
21	Jhunjhunun	1	Jhunjhunun	328886	209288	538174	1	Alsisar	166285	28239	194524

S. No.	District	Tehsil					Block				
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
		2	Chirawa	365083	111004	476087	2	Buhana	212033	11372	223405
		3	Buhana	212033	11372	223405	3	Chirawa	136505	37275	173780
		4	Khetri	232184	45762	277946	4	Jhunjhunun	162601	181049	343650
		5	Nawalgarh	244246	82417	326663	5	Khetri	232184	45762	277946
		6	Udaipurwati	265534	29236	294770	6	Nawalgarh	244246	82417	326663
							7	Surajgarh	228578	73729	302307
							8	Udaipurwati	265534	29236	294770
			Total	**1647966**	**489079**	**2137045**		**Total**	**1647966**	**489079**	**2137045**
22	Jodhpur	1	Phalodi	514646	49914	564560	1	Balesar	217115	0	217115
		2	Osian	465257	0	465257	2	Bap	296024	0	296024
		3	Bhopalgarh	320952	0	320952	3	Bawari	180453	0	180453
		4	Jodhpur	239924	1138300	1378224	4	Bhopalgarh	241228	0	241228
		5	Shergarh	452134	0	452134	5	Bilara	207659	76400	284059
		6	Luni	221979	0	221979	6	Luni	264925	0	264925
		7	Bilara	207659	76400	284059	7	Mandore	196978	1138300	1335278
							8	Osian	364529	0	364529
							9	Phalodi	218621	49914	268535
							10	Shergarh	235019	0	235019
			Total	**2422551**	**1264614**	**3687165**		**Total**	**2422551**	**1264614**	**3687165**
23	Karauli	1	Todabhim	228203	22977	251180	1	Hindaun	318422	105452	423874
		2	Nadoti	150898	0	150898	2	Karauli	266168	82960	349128
		3	Hindaun	318422	105452	423874	3	Nadoti	150898	0	150898
		4	Karauli	266168	82960	349128	4	Sapotra	276452	6716	283168
		5	Mandrail	74600	0	74600	5	Todabhim	228203	22977	251180
		6	Sapotra	201852	6716	208568					
			Total	**1240143**	**218105**	**1458248**		**Total**	**1240143**	**218105**	**1458248**
24	Kota	1	Pipalda	179800	0	179800	1	Itawa	179800	0	179800
		2	Digod	168734	0	168734	2	Khairabad	143644	128804	272448
		3	Ladpura	117838	1025954	1143792	3	Ladpura	117838	1025954	1143792
		4	Ramganj mandi	143644	128804	272448	4	Sangod	164394	21846	186240
		5	Sangod	164394	21846	186240	5	Sultanpur	168734	0	168734

S. No.	District	Tehsil					Block			
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
			Total	**774410**	**1176604**	**1951014**		**Total**	**774410**	**1176604**	**1951014**
25	Nagaur	1	Ladnu	187367	65575	252942	1	Degana	222679	16383	239062
		2	Didwana	343254	53749	397003	2	Didwana	343254	53749	397003
		3	Jayal	269024	0	269024	3	Jayal	269024	0	269024
		4	Nagaur	344603	180323	524926	4	Kuchaman City	320853	84057	404910
		5	Kheenvsar	192924	0	192924	5	Ladnu	187367	65575	252942
		6	Merta	308254	80675	388929	6	Makrana	205692	139877	345569
		7	Degana	289720	16383	306103	7	Merta	206962	80675	287637
		8	Parbatsar	208848	16565	225413	8	Mundwa	262259	0	262259
		9	Makrana	205692	139877	345569	9	Nagaur	275268	180323	455591
		10	Nawa	320853	84057	404910	10	Parbatsar	208848	16565	225413
							11	Riyan	168333	0	168333
			Total	**2670539**	**637204**	**3307743**		**Total**	**2670539**	**637204**	**3307743**
26	Pali	1	Jaitaran	204155	22621	226776	1	Bali	219181	44719	263900
		2	Raipur	205254	0	205254	2	Desuri	117520	27370	144890
		3	Sojat	165359	55495	220854	3	Jaitaran	204155	22621	226776
		4	Rohat	120963	0	120963	4	Marwar Junction	186974	12004	198978
		5	Pali	138311	230075	368386	5	Pali	113415	230075	343490
		6	Marwar Junction	186974	12004	198978	6	Raipur	205254	0	205254
		7	Desuri	193067	41270	234337	7	Rani	100442	13900	114342
		8	Sumerpur	144303	53822	198125	8	Rohat	120963	0	120963
		9	Bali	219181	44719	263900	9	Sojat	165359	55495	220854
							10	Sumerpur	144304	53822	198126
			Total	**1577567**	**460006**	**2037573**		**Total**	**1577567**	**460006**	**2037573**
27	Pratapgarh	1	Dhariawad	178504	11368	189872	1	Arnod	141023	0	141023
		2	Peepalkhoont	154063	0	154063	2	Chhoti Sadri	115717	18360	134077
		3	Chhoti Sadri	115717	18360	134077	3	Dhariawad	178504	11368	189872
		4	Pratapgarh	206734	42079	248813	4	Peepalkhoont	154063	0	154063
		5	Arnod	141023	0	141023	5	Pratapgarh	206734	42079	248813
			Total	**796041**	**71807**	**867848**		**Total**	**796041**	**71807**	**867848**

S. No.	District	Tehsil					Block				
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
28	Rajsamand	1	Bhim	159455	11568	171023	1	Amet	95014	23935	118949
		2	Deogarh	93119	17604	110723	2	Bhim	159455	11568	171023
		3	Amet	95014	23935	118949	3	Deogarh	93119	17604	110723
		4	Kumbhalgarh	144231	0	144231	4	Khamnor	198286	46445	244731
		5	Rajsamand	150872	84268	235140	5	Kumbhalgarh	144231	0	144231
		6	Railmagra	131800	0	131800	6	Railmagra	131800	0	131800
		7	Nathdwara	198286	46445	244731	7	Rajsamand	150872	84268	235140
			Total	**972777**	**183820**	**1156597**		**Total**	**972777**	**183820**	**1156597**
29	Sawai Madhopur	1	Gangapur	216553	130061	346614	1	Bamanwas	171648	0	171648
		2	Bamanwas	171648	0	171648	2	Bonli	233173	15300	248473
		3	Malarna Doongar	105732	0	105732	3	Gangapur	216553	130061	346614
		4	Bonli	127441	15300	142741	4	Khander	201960	0	201960
		5	Chauth Ka Barwara	97500	0	97500	5	Sawai Madhopur	245750	121106	366856
		6	Sawai Madhopur	213771	121106	334877					
		7	Khandar	136439	0	136439					
			Total	**1069084**	**266467**	**1335551**		**Total**	**1069084**	**266467**	**1335551**
30	Sikar	1	Fatehpur	180019	125619	305638	1	Danta Ramgarh	316143	57958	374101
		2	Lachhmangarh	267564	53392	320956	2	Dhond	249846	0	249846
		3	Sikar	399689	244497	644186	3	Fatehpur	218307	125619	343926
		4	Danta Ramgarh	365356	57958	423314	4	Khandela	271483	36947	308430
		5	Sri Madhopur	473462	109866	583328	5	Lachhmangarh	229276	53392	282668
		6	Neem-ka-Thana	357337	42574	399911	6	Neem Ka Thana	357337	42574	399911
							7	Piprali	199056	244497	443553
							8	Sri madhopur	201979	72919	274898
			Total	**2043427**	**633906**	**2677333**		**Total**	**2043427**	**633906**	**2677333**
31	Sirohi	1	Sheoganj	114276	28053	142329	1	Abu Road	136676	87728	224404
		2	Sirohi	141122	44957	186079	2	Pindwara	221887	39799	261686
		3	Pindwara	221887	39799	261686	3	Reodar	213731	8117	221848
		4	Abu Road	136676	87728	224404	4	Sheoganj	114276	28053	142329
		5	Reodar	213731	8117	221848	5	Sirohi	141122	44957	186079

S. No.	District	Tehsil					Block				
		S. No.	Name	Rural	Urban	Total	S. No.	Name	Rural	Urban	Total
			Total	**827692**	**208654**	**1036346**		**Total**	**827692**	**208654**	**1036346**
32	Tonk	1	Malpura	204881	36028	240909	1	Deoli	192343	22065	214408
		2	Peeplu	117644	0	117644	2	Malpura	204881	36028	240909
		3	Niwai	195187	50600	245787	3	Niwai	195187	50600	245787
		4	Tonk	121514	165294	286808	4	Todaraisingh	123311	23559	146870
		5	Todaraisingh	123311	23559	146870	5	Tonk	239158	165294	404452
		6	Deoli	192343	22065	214408	6	Uniara	148723	20177	168900
		7	Uniara	148723	20177	168900					
			Total	**1103603**	**317723**	**1421326**		**Total**	**1103603**	**317723**	**1421326**
33	Udaipur	1	Mavli	221333	32011	253344	1	Bargaon	102036	0	102036
		2	Gogunda	206197	8751	214948	2	Bhindar	240562	31117	271679
		3	Kotra	230532	0	230532	3	Girwa	308078	488019	796097
		4	Jhadol	249297	0	249297	4	Gogunda	206197	8751	214948
		5	Girwa	410114	488019	898133	5	Jhadol	249297	0	249297
		6	Vallabhnagar	240562	31117	271679	6	Kherwara	199196	7581	206777
		7	Lasadiya	91229	0	91229	7	Kotra	230532	0	230532
		8	Salumbar	231912	16425	248337	8	Lasadiya	91229	0	91229
		9	Sarada	215858	15351	231209	9	Mavli	221333	32011	253344
		10	Rishabhdeo	163764	9171	172935	10	Rishabhdeo	163764	9171	172935
		11	Kherwara	199196	7581	206777	11	Salumbar	231912	16425	248337
							12	Sarda	215858	15351	231209
			Total	**2459994**	**608426**	**3068420**		**Total**	**2459994**	**608426**	**3068420**
	State Total			**51500352**	**17048085**	**68548437**			**51500352**	**17048085**	**68548437**

Appendix B-2: Percentage of Tehsil Area Falling in Different Blocks

Table B-2.1 Percentage of Tehsil Area (244 No's) Falling in different Blocks (249 No's) in 33 Districts of Rajasthan

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
1	**AJMER**	**8482.43**	
	Arain	**1197.08**	
	Kishangarh	549.29	31.71
	Sarwar	647.79	61.22
	Binay	**1221.57**	
	Bhinay	811.24	100.00
	Sarwar	410.33	38.78
	Jawaja	**696.76**	
	Beawar	696.76	100.00
	Kekri	**988.91**	
	Kekri	988.91	100.00
	Kishangarh	**1182.97**	
	Kishangarh	1182.97	68.29
	Masooda	**862.89**	
	Masooda	862.89	100.00
	Peesangan	**1398.22**	
	Ajmer	402.42	46.97
	Nasirabad	313.48	39.52
	Peesangan	682.32	100.00
	Shrinagar	**934.03**	
	Ajmer	454.36	53.03
	Nasirabad	479.66	60.48
2	**ALWAR**	**8389.24**	
	Bansur	**682.18**	
	Bansur	682.18	100.00
	Behror	**352.1**	
	Behror	352.1	47.57
	Kathumar	**573.87**	
	Kathumar	517.06	100.00
	Lachhmangarh	56.81	9.08
	Kishangarh Bas	**526.75**	
	Alwar	124.87	10.15
	Kishangarh Bas	401.88	100.00
	Kotkasim	**353.12**	

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Kotkasim	353.12	100.00
	Lachhmangarh	**605.11**	
	Lachhmangarh	568.94	90.92
	Ramgarh	36.16	6.22
	Mandawar	**573.64**	
	Mandawar	573.64	100.00
	Nimrana	**388**	
	Behror	388	52.43
	Rajgarh	**768.03**	
	Rajgarh	768.03	66.29
	Ramgarh	**613.15**	
	Alwar	68.08	5.53
	Ramgarh	545.07	93.78
	Reni	**390.56**	
	Rajgarh	390.56	33.71
	Thanagazi	**836.99**	
	Thanagazi	836.99	100.00
	Tijara	**687.79**	
	Tijara	687.79	100.00
	Umren	**1037.95**	
	Alwar	1037.95	84.32
3	**BANSWARA**	**4483.99**	
	Anandpuri	**345.09**	
	Bagidora	345.09	40.37
	Bagidora	**509.76**	
	Bagidora	509.76	59.63
	Banswara	**744.09**	
	Banswara	744.09	66.55
	Chhoti Sarvan	**374**	
	Banswara	374	33.45
	Garhi	**678.62**	
	Garhi	678.62	100.00
	Ghatol	**808.74**	
	Ghatol	808.74	100.00
	Kushalgarh	**646.92**	
	Kushalgarh	646.92	63.20
	Sajjangarh	**376.76**	
	Kushalgarh	376.76	36.80

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
4	**BARAN**	**7009.23**	
	Antah	**990.22**	
	Anath	524.39	100.00
	Mangrol	465.83	100.00
	Atru	**859.82**	
	Atru	859.82	100.00
	Baran	**621.48**	
	Baran	621.48	100.00
	Chhabra	**800.33**	
	Chhabra	800.33	100.00
	Chhipabarod	**829.13**	
	Chhipabarod	829.13	100.00
	Kishanganj	**1442.97**	
	Kishanganj	1442.97	100.00
	Shahbad	**1465.28**	
	Shahbad	1465.28	100.00
5	**BARMER**	**28440.67**	
	Balotra	**3462.01**	
	Pachpadra	3462.01	100.00
	Barmer	**3880.31**	
	Barmer	1621.7	54.96
	Chohtan	738.09	15.55
	Gudamalani	47.21	1.17
	Ramsar	1473.32	100.00
	Baytoo	**3443.75**	
	Barmer	692.82	23.48
	Baytoo	2750.93	89.21
	Chohtan	**3295.78**	
	Chohtan	3295.78	69.41
	Dhorimanna	**2691.95**	
	Chohtan	713.82	15.04
	Gudamalani	1978.13	49.02
	Sheo	**6611.57**	
	Sheo	6611.57	100.00
	Sindhari	**2978.75**	
	Barmer	636.22	21.56
	Baytoo	332.75	10.79
	Gudamalani	2009.78	49.81

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Siwana	**2076.55**	
	Siwana	2076.55	100.00
6	**BHARATPUR**	**5083.78**	
	Bayana	**792.33**	
	Bayana	792.33	100.00
	Deeg	**496.69**	
	Deeg	496.69	100.00
	Kaman	**574.26**	
	Kaman	343.81	100.00
	Pahari	230.46	58.98
	Kumher	**441.43**	
	Kumher	441.43	100.00
	Nadbai	**443.16**	
	Nadbai	443.16	100.00
	Pahari	**656.18**	
	Nagar	495.93	100.00
	Pahari	160.25	41.02
	Rupbas	**563.93**	
	Rupbas	563.93	100.00
	Sewar	**505.21**	
	Bharatpur	505.21	100.00
	Weir	**610.6**	
	Weir	610.6	100.00
7	**BHILWARA**	**10446.96**	
	Asind	**1135.37**	
	Asind	1135.37	100.00
	Banera	**673.81**	
	Banera	673.81	100.00
	Hurda	**605.54**	
	Hurda	605.54	100.00
	Jahazpur	**1075.25**	
	Jahazpur	1075.25	100.00
	Kotri	**940.41**	
	Kotri	940.41	100.00
	Mandal	**1211.67**	
	Mandal	1211.67	100.00
	Mandalgarh	**1558.61**	
	Beejoliya	636.92	100.00

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Mandalgarh	921.68	100.00
	Raipur	**521.31**	
	Raipur	521.31	100.00
	Sahara	**667.88**	
	Sahara	667.88	100.00
	Shahpura	**1131.88**	
	Shahpura	1131.88	100.00
	Suwana	**925.22**	
	Bhilwara	925.22	100.00
	BIKANER	**30264.6**	
	Bikaner	**3725.06**	
	Bikaner	3097.22	100.00
	Poogal	627.84	19.87
	Dungargar	**2988.64**	
	Dungargar	2988.64	100.00
	Khajuwala	**5446.92**	
	Chhatargarh	984.92	43.35
8	Khajuwala	1930.66	100.00
	Poogal	2531.34	80.13
	Kolayat	**7948.76**	
	Kolayat	7948.76	100.00
	Lunkaransar	**6366.05**	
	Chhatargarh	1287.07	56.65
	Lunkaransar	5078.99	100.00
	Nokha	**3789.16**	
	Nokha	3789.16	100.00
	BUNDI	**5778.71**	
	Bundi	**967.34**	
	Bundi	967.34	51.27
	Hindoli	**1329.62**	
	Hindoli	1329.62	100.00
9	**Keshorai Patan**	**1357.15**	
	Indragarh	636.33	100.00
	Keshoraipatan	720.82	100.00
	Nainwa	**1205.31**	
	Nainwa	1205.31	100.00
	Talera	**919.3**	
	Bundi	919.3	48.73

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
10	**CHITTAURGARH**	**7835.96**	
	Bari Sadri	**505.43**	
	Barisadri	505.43	100.00
	Begun	**972.18**	
	Begun	918.76	100.00
	Rawatbhata	53.42	3.29
	Bhadesar	**530.3**	
	Bhadesari	530.3	100.00
	Bhainsrorgarh	**1572.14**	
	Rawatbhata	1572.14	96.71
	Bhopalsagar	**410.01**	
	Kapasan	410.01	45.44
	Chittaurgarh	**965.17**	
	Chittaugarh	965.17	100.00
	Dungla	**500.27**	
	Dungla	500.27	100.00
	Gangrar	**573.5**	
	Gangrar	573.5	100.00
	Kapasan	**492.36**	
	Kapasan	492.36	54.56
	Nimbahera	**855.2**	
	Nimbhera	855.2	100.00
	Rashmi	**459.39**	
	Rashmi	459.39	100.00
11	**CHURU**	**13840.78**	
	Churu	**1590.37**	
	Churu	1590.37	100.00
	Rajgarh	**2199.58**	
	Rajgarh	2199.58	100.00
	Ratangar	**1691.9**	
	Ratangar	1691.9	100.00
	Sardarshhar	**3839.56**	
	Sardarshhar	3839.56	100.00
	Sujangarh	**2694.59**	
	Sujangarh	2694.59	100.00
	Taranagar	**1824.78**	
	Taranagar	1824.78	100.00
12	**DAUSA**	**3426.22**	

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Bandikui	**643.23**	
	Baswa	643.23	100.00
	Dausa	**917.65**	
	Dausa	917.65	100.00
	Lalsot	**855.92**	
	Lalsot	855.92	100.00
	Mahwa	**498.81**	
	Mahwa	498.81	100.00
	Sikrai	**510.61**	
	Sikrai	510.61	100.00
	DHAULPUR	**3044.81**	
	Bari	**809.9**	
	BARI	809.9	100.00
	Baseri	**1001.95**	
	BASERI	1001.95	100.00
13	**Dhaulpur**	**625.35**	
	DHAULPUR	307.15	59.36
	SEPAU	318.21	100.00
	Rajakhera	**607.61**	
	DHAULPUR	210.29	40.64
	RAJAKHERA	397.33	100.00
	DUNGARPUR	**3772.51**	
	Aspur	**692.65**	
	Aspur	692.65	100.00
	Bichhiwara	**976.17**	
	Dungarpur	858.52	65.40
	Simalwara	117.65	13.43
14	**Dungarpur**	**566.11**	
	Dungarpur	454.17	34.60
	Simalwara	111.94	12.78
	Sagwara	**705.57**	
	Sagwara	705.57	79.17
	Simalwara	**832.01**	
	Sagwara	185.69	20.83
	Simalwara	646.32	73.79
	GANGANAGAR	**10703.23**	
15	**Anupgarh**	**1537.64**	
	Anupgarh	605.49	51.80

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Vijainagar	932.15	97.43
	Ganganagar	**852.89**	
	Ganganagar	852.89	85.98
	Ghadsana	**1971.44**	
	Anupgarh	563.34	48.20
	Gharsana	1383.55	100.00
	Vijainagar	24.55	2.57
	Karanpur	**833.19**	
	Karanpur	833.19	100.00
	Padampur	**861.66**	
	Padampur	861.66	100.00
	Raisinghnagar	**1326.07**	
	Raisinghnagar	1326.07	100.00
	Sadulshahar	**896.13**	
	Ganganagar	139.12	14.02
	Sadulshahar	757.01	100.00
	Suratgarh	**2424.21**	
	Suratgarh	2424.21	100.00
16	**HANUMANGARH**	**9917.54**	
	Bhadra	**1743.94**	
	Bhadra	1743.94	100.00
	Hanumangarh	**1360.97**	
	Hanumangarh	1210.67	97.16
	Sangaria	150.3	21.67
	Nohar	**2375.67**	
	Nohar	2375.67	100.00
	Pilibanga	**1238.24**	
	Pilibanga	1238.24	100.00
	Rawatsar	**1885.97**	
	Rawatsar	1885.97	100.00
	Sangariya	**543.35**	
	Sangaria	543.35	78.33
	Tibi	**769.39**	
	Hanumangarh	35.44	2.84
	Tibi	733.96	100.00
17	**JAIPUR**	**11139.65**	
	Amber	**895.99**	
	Amber	895.99	100.00

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Bassi	**634.54**	
	Bassi	634.54	100.00
	Chaksu	**821.02**	
	Chaksu	821.02	100.00
	Dudu	**1962.1**	
	Mojamabad	1357.94	100.00
	Phulera	604.15	39.22
	Govindgarh	**674.96**	
	Chomu	674.96	100.00
	Jamwa Ramgarh	**1022.07**	
	Jamwa Ramgarh	1022.07	100.00
	Jhotwara	**557.67**	
	Jaipur	557.67	100.00
	Kotputli	**646.83**	
	Kotputli	646.83	81.21
	Phagi	**1115.66**	
	Phagi	1115.66	100.00
	Sambhar	**936.4**	
	Phulera	936.4	60.78
	Sanganer	**697.8**	
	Sanganer	697.8	100.00
	Shahpura	**478.87**	
	Shahpura	478.87	88.73
	Viratnagar	**695.73**	
	Kotputli	149.67	18.79
	Shahpura	60.85	11.27
	Viratnagar	485.22	100.00
18	**JAISALMER**	**38511.18**	
	Jaisalmer	**11781.7**	
	Fatehgarh	170.37	3.90
	Jaisalmer	7388.47	30.16
	Pokaran	4222.86	43.77
	Sam	**21304.38**	
	Fatehgarh	4194.55	96.10
	Jaisalmer	17109.83	69.84
	Sankra	**5425.09**	
	Pokaran	5425.09	56.23
19	**JALORE**	**10621.92**	

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Ahore	**1621.71**	
	Ahore	1621.71	86.11
	Bhinmal	**1282.6**	
	Bagora	946.16	100.00
	Bhinmal	336.44	22.54
	Chitalwana	**1773.33**	
	Sanchore	1773.33	59.39
	Jalor	**1046.71**	
	Ahore	261.53	13.89
	Jalor	785.18	61.40
	Jaswantpura	**1155.92**	
	Bhinmal	1155.92	77.46
	Raniwara	**1055.08**	
	Raniwara	1055.08	100.00
	Sanchore	**1212.47**	
	Sanchore	1212.47	40.61
	Sayla	**1474.1**	
	Jalor	493.51	38.60
	Sayla	980.59	100.00
20	**JHALAWAR**	**6317.79**	
	Bakani	**897.83**	
	Aklera	454.71	57.44
	Jhalrapatan	443.12	34.98
	Dag	**1145.6**	
	Gangdhar	916.82	100.00
	Pachpahar	228.79	31.44
	Jhalrapatan	**1322.49**	
	Jhalrapatan	823.62	65.02
	Pachpahar	498.87	68.56
	Khanpur	**939.44**	
	Khanpur	939.44	100.00
	Manohar Thana	**978.63**	
	Aklera	336.96	42.56
	Manohar Thana	641.67	100.00
	Pirawa	**1033.8**	
	Pirawa	1033.8	100.00
21	**JHUNJHUNUN**	**5917.08**	

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Alsisar	**821.89**	
	Jhunjhunun	821.89	50.56
	Buhana	**653.67**	
	Buhana	653.67	100.00
	Chirawa	**486.73**	
	Chirawa	486.73	37.39
	Jhunjhunun	**803.62**	
	Jhunjhunun	803.62	49.44
	Khetri	**799.74**	
	Khetri	799.74	100.00
	Nawalgarh	**682.61**	
	Nawalgarh	682.61	100.00
	Surajgarh	**814.89**	
	Chirawa	814.89	62.61
	Udaipurwati	**853.92**	
	Udaipurwati	853.92	100.00
	JODHPUR	**22667.5**	
	Balesar	**1842.93**	
	Shergarh	1842.93	48.02
	Bap	**4386.96**	
	Phalodi	4386.96	57.52
	Bawari	**1399.19**	
	Bhopalgarh	622.65	24.84
	Osian	776.54	21.65
	Bhopalgarh	**1883.91**	
	Bhopalgarh	1883.91	75.16
22	**Bilara**	**1569.88**	
	Bilara	1569.88	100.00
	Luni	**2000.48**	
	Jodhpur	335.7	17.90
	Luni	1664.78	100.00
	Mandor	**1539.6**	
	Jodhpur	1539.6	82.10
	Osian	**2810.32**	
	Osian	2810.32	78.35
	Phalodi	**3239.61**	
	Phalodi	3239.61	42.48

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Shergarh	**1994.63**	
	Shergarh	1994.63	51.98
23	**KARAULI**	**4990.38**	
	Hindaun	**640.04**	
	Hindaun	640.04	100.00
	Karauli	**1233.83**	
	Karauli	1233.83	100.00
	Nadoti	**615.4**	
	Nadoti	615.4	100.00
	Sapotra	**1957.84**	
	Mandrail	569.03	100.00
	Sapotra	1388.81	100.00
	Todabhim	**543.28**	
	Todabhim	543.28	100.00
24	**KOTA**	**5127.27**	
	Itawa	**898.83**	
	Pipalda	898.83	100.00
	Khairabad	**762.94**	
	Ramganj Mandi	762.94	100.00
	Ladpur	**1474.75**	
	Ladpura	1474.75	100.00
	Sangod	**1080.48**	
	Sangod	1080.48	100.00
	Sultanpura	**910.28**	
	Digod	910.28	100.00
25	**NAGAUR**	**17795.72**	
	Degana	**1509.47**	
	Degana	1509.47	76.86
	Didwana	**1655.25**	
	Didwana	1655.25	100.00
	Jayal	**2076.16**	
	Jayal	2076.16	100.00
	Kuchaman City	**1638.78**	
	Nawa	1638.78	100.00
	Ladnu	**1267.07**	
	Ladnu	1267.07	100.00
	Makrana	**1138.35**	
	Makrana	1138.35	100.00

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Merta	**1504.52**	
	Merta	1504.52	67.14
	Mundwa	**2295.7**	
	Kheenvasar	946.4	57.06
	Nagaur	1349.3	44.16
	Nagaur	**2418.3**	
	Kheenvasar	712.29	42.94
	Nagaur	1706.01	55.84
	Parbatsar	**1101.19**	
	Parbatsar	1101.19	100.00
	Riyan	**1190.93**	
	Degana	454.44	23.14
	Merta	736.49	32.86
26	**PALI**	**12367.77**	
	Bali	**1363.81**	
	Bali	1363.81	100.00
	Desuri	**827.98**	
	Desuri	827.98	60.87
	Jaitaran	**1350.61**	
	Jaitaran	1350.61	100.00
	Marwar Junction	**1428.24**	
	Marwar Junction	1428.24	100.00
	Pali	**1364.95**	
	Pali	1364.95	82.00
	Raipur	**1114.19**	
	Raipur	1114.19	100.00
	Rani	**831.78**	
	Desuri	532.19	39.13
	Pali	299.59	18.00
	Rohat	**1421.04**	
	Rohat	1421.04	100.00
	Sojat	**1680.82**	
	Sojat	1680.82	100.00
	Sumerpur	**984.35**	
	Sumerpur	984.35	100.00
27	**PRATAPGARH**	**4438.71**	
	Arnod	**708.24**	
	Arnod	708.24	100.00

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Chhoti Sadri	**707.5**	
	Chottisadri	707.5	100.00
	Dhariawad	**922.84**	
	Dhariawad	922.84	100.00
	Peepalkhoont	**543.56**	
	Peepalkhoont	543.56	100.00
	Pratapgarh	**1556.58**	
	Pratapgarh	1556.58	100.00
28	**RAJSAMAND**	**4622.18**	
	Amet	**488.77**	
	Amet	488.77	100.00
	Bhim	**696.79**	
	Bhim	696.79	100.00
	Deogarh	**586.49**	
	Deogarh	586.49	100.00
	Khamnor	**763.29**	
	Nathdwara	763.29	100.00
	Kumbhalgarh	**897.37**	
	Kumbhalgarh	897.37	100.00
	Railmagra	**562.51**	
	Railmagra	562.51	100.00
	Rajsamand	**626.96**	
	Rajsamand	626.96	100.00
29	**SAWAI MADHOPUR**	**5055.87**	
	Bamanwas	**770.22**	
	Bamanwas	770.22	100.00
	Bonli	**1008.99**	
	Bonli	626.36	100.00
	Malarna Doongar	382.63	100.00
	Gangapur	**645.58**	
	Gangapur	645.58	100.00
	Khandar	**1365.06**	
	Khandar	1035.87	100.00
	Sawai Madhopur	329.18	30.65
	Sawai Madhopur	**1266.02**	
	Chauth Ka Barwara	521.19	100.00
	Sawai Madhopur	744.83	69.35
30	**SIKAR**	**7727.41**	

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Danta Ramgarh	**1206.99**	
	Danta Ramgarh	1206.99	86.53
	Dhond	**932.04**	
	Sikar	932.04	62.51
	Fatehpur	**1241.76**	
	Fatehpur	1067.09	100.00
	Lachhmangarh	174.68	14.31
	Khandela	**782.52**	
	Sri Madhopur	782.52	57.34
	Lachhmangarh	**1045.82**	
	Lachhmangarh	1045.82	85.69
	Neem Ka Thana	**1189.26**	
	Neem-Ka-Thana	1189.26	100.00
	Piprali	**746.94**	
	Danta Ramgarh	187.86	13.47
	Sikar	559.07	37.49
	Srimadhopur	**582.08**	
	Sri Madhopur	582.08	42.66
	SIROHI	**5127.07**	
	Abu Road	**882.93**	
	Abu Road	882.93	100.00
	Pindwara	**1107.22**	
	Pindwara	1107.22	100.00
31	**Reodar**	**1053.81**	
	Reodar	1053.81	100.00
	Sheoganj	**909.88**	
	Sheoganj	909.88	100.00
	Sirohi	**1173.22**	
	Sirohi	1173.22	100.00
	TONK	**7192.56**	
	Deoli	**1228.2**	
	Deoli	1228.2	100.00
	Malpura	**1493.28**	
32	Malpura	1493.28	100.00
	Niwai	**988.07**	
	Niwai	988.07	100.00
	Todaraisingh	**976.39**	
	Todaraisingh	976.39	100.00

S. No.	District/Block/Tehsil	Area (km^2)	% of Tehsil
	Tonk	**1521.86**	
	Peeplu	722.61	100.00
	Tonk	799.25	100.00
	Uniara	**984.77**	
	Uniara	984.77	100.00
	UDAIPUR	**11723.08**	
	Bargaon	**461.64**	
	Girwa	461.64	24.88
	Bhindar	**1109.43**	
	Vallabhnagar	1109.43	100.00
	Girwa	**1393.51**	
	Girwa	1393.51	75.12
	Gogunda	**1049.96**	
	Gogunda	1049.96	100.00
	Jhadol	**1388.56**	
	Jhadol	1388.56	100.00
	Kherwara	**628.02**	
33	Kherwara	628.02	100.00
	Kotra	**1757.28**	
	Kotra	1757.28	100.00
	Lasadiya	**511.86**	
	Lasadiya	511.86	100.00
	Mavli	**797.48**	
	Mavli	797.48	100.00
	Rishabhdeo	**511.44**	
	Rishabhdeo	511.44	100.00
	Salumbar	**1034.66**	
	Salumbar	1034.66	100.00
	Sarada	**1079.23**	
	Sarada	1079.23	100.00

Appendix B-3: Projected Population and Domestic Water Demand

1. Adjusted Census Population

At present there are 33 districts in Rajasthan whereas the past census statistics are given for 26 districts in 1961, 1971 and 1981; 27 districts in 1991 and 32 districts in 2001. To enable projecting predicting future population on the basis of past census data the original district census figures have been adjusted to 33 districts for the year 2001, 1991 and 1981 considering the earlier population of newly created district Dhaulpur (1981-1991); Baran, Dausa, Hanumangarh, Karauli, Rajsamand (1991-2001) and Pratapgarh (2001-2011). The adjusted population figures for the 33 districts are given in Table B-3.1 to B-3.3.

Table B-3.1 Adjusted Total District Population Census Data*

S. No.	District	1981	1991	2001	2011
1	Ajmer	1,440,366	1,729,207	2,181,670	2,583,052
2	Alwar	1,771,173	2,296,580	2,992,592	3,674,179
3	Banswara	867,625	1,130,891	1,410,930	1,797,485
4	Baran	636,526	810,302	1,021,653	1,222,755
5	Barmer	1,118,892	1,435,222	1,964,835	2,603,751
6	Bharatpur	1,339,073	1,651,584	2,101,142	2,548,462
7	Bhilwara	1,310,379	1,593,128	2,013,789	2,408,523
8	Bikaner	964,249	1,375,955	1,902,110	2,363,937
9	Bundi	586,982	770,248	962,620	1,110,906
10	Chittorgarh	917,804	1,088,720	1,330,360	1,544,338
11	Churu	1,063,966	1,378,396	1,696,039	2,039,547
12	Dausa	760,194	994,400	1,317,063	1,634,409
13	Dholpur	545,059	749,479	983,258	1,206,516
14	Dungarpur	682,845	874,549	1,107,643	1,388,552
15	Ganganagar	1,168,187	1,402,445	1,789,423	1,969,168
16	Hanumangarh	861,781	1,220,332	1,518,005	1,774,692
17	Jaipur	2,786,816	3,887,898	5,251,071	6,626,178
18	Jaisalmer	243,082	344,517	508,247	669,919
19	Jalore	903,073	1,142,563	1,448,940	1,828,730
20	Jhalawar	784,998	956,971	1,180,323	1,411,129
21	Jhunjhunu	1,211,583	1,582,421	1,913,689	2,137,045
22	Jodhpur	1,667,791	2,153,483	2,886,505	3,687,165
23	Kaurali	724,970	927,665	1,209,665	1,458,248
24	Kota	923,258	1,220,529	1,568,525	1,951,014
25	Nagaur	1,628,669	2,144,810	2,775,058	3,307,743
26	Pali	1,274,504	1,486,432	1,820,251	2,037,573
27	Pratapgarh	441,514	553,880	706,807	867,848
28	Rajsamand	697,371	822,700	987,024	1,156,597
29	Sawai Madhopur	684,464	875,834	1,117,057	1,335,551
30	Sikar	1,377,245	1,842,914	2,287,788	2,677,333
31	Sirohi	542,049	654,029	851,107	1,036,346
32	Tonk	783,635	975,006	1,211,671	1,421,326
33	Udaipur	1,551,739	1,932,900	2,490,328	3,068,420
	Total State	**34,261,862**	**44,005,990**	**56,507,188**	**68,548,437**

* The population figures for the year 2011 are as per census 2011 and others are adjusted as per the formation of new Districts.

Table B-3.2 Adjusted Rural District Population Census Data*

S. No.	District	1981	1991	2001	2011
1	Ajmer	823,960	1,025,632	1,306,994	1,547,642
2	Alwar	1,574,972	1,976,293	2,557,653	3,019,728
3	Banswara	812,438	1,041,697	1,303,567	1,669,864
4	Baran	548,003	687,251	849,638	968,541
5	Barmer	1,020,663	1,291,056	1,819,431	2,421,914
6	Bharatpur	1,106,508	1,330,781	1,692,182	2,053,363
7	Bhilwara	1,121,816	1,281,984	1,598,938	1,895,869
8	Bikaner	603,812	858,410	1,262,054	1,563,553
9	Bundi	487,153	636,504	783,058	888,205
10	Chittorgarh	784,597	898,756	1,093,122	1,259,074
11	Churu	744,659	968,760	1,204,863	1,463,312
12	Dausa	689,682	889,197	1,181,245	1,432,616
13	Dholpur	455,924	620,654	806,640	959,066
14	Dungarpur	638,719	810,732	1,026,787	1,299,809
15	Ganganagar	917,975	1,068,257	1,336,066	1,433,736
16	Hanumangarh	693,694	1,002,408	1,214,467	1,424,228
17	Jaipur	1,606,796	2,113,392	2,659,004	3,154,331
18	Jaisalmer	210,155	290,917	431,853	580,894
19	Jalore	830,283	1,059,355	1,338,946	1,676,975
20	Jhalawar	693,482	806,008	1,012,081	1,181,838
21	Jhunjhunu	960,316	1,257,377	1,518,573	1,647,966
22	Jodhpur	1,087,946	1,388,933	1,909,423	2,422,551
23	Kaurali	636,332	806,580	1,037,720	1,240,143
24	Kota	513,687	603,745	729,948	774,410
25	Nagaur	1,391,592	1,802,174	2,297,721	2,670,539
26	Pali	1,039,739	1,163,085	1,429,364	1,577,567
27	Pratapgarh	406,324	503,746	644,283	796,041
28	Rajsamand	621,494	724,495	858,301	972,777
29	Sawai Madhopur	567,012	718,715	904,417	1,069,084
30	Sikar	1,098,309	1,455,393	1,815,250	2,043,427
31	Sirohi	445,048	526,447	700,217	827,692
32	Tonk	639,791	784,586	958,503	1,103,603
33	Udaipur	1,278,473	1,545,557	2,010,504	2,459,994
	Total State	**27,051,354**	**33,938,877**	**43,292,813**	**51,500,352**

* The population figures for the year 2011 are as per census 2011 and others are adjusted as per the formation of new Districts.

Table B-3.3 Adjusted Urban District Population Census Data*

S. No.	District	1981	1991	2001	2011
1	Ajmer	616,406	703,575	874,676	1,035,410
2	Alwar	196,201	320,287	434,939	654,451
3	Banswara	55,187	89,194	107,363	127,621
4	Baran	88,523	123,051	172,015	254,214
5	Barmer	98,229	144,166	145,404	181,837
6	Bharatpur	232,565	320,803	408,960	495,099
7	Bhilwara	188,563	311,144	414,851	512,654
8	Bikaner	360,437	517,545	640,056	800,384
9	Bundi	99,829	133,744	179,562	222,701
10	Chittorgarh	133,207	189,964	237,238	285,264
11	Churu	319,307	409,636	491,176	576,235
12	Dausa	70,512	105,203	135,818	201,793
13	Dholpur	89,135	128,825	176,618	247,450
14	Dungarpur	44,126	63,817	80,856	88,743
15	Ganganagar	250,212	334,188	453,357	535,432
16	Hanumangarh	168,087	217,924	303,538	350,464
17	Jaipur	1,180,020	1,774,506	2,592,067	3,471,847
18	Jaisalmer	32,927	53,600	76,394	89,025
19	Jalore	72,790	83,208	109,994	151,755
20	Jhalawar	91,516	150,963	168,242	229,291
21	Jhunjhunu	251,267	325,044	395,116	489,079
22	Jodhpur	579,845	764,550	977,082	1,264,614
23	Kaurali	88,638	121,085	171,945	218,105
24	Kota	409,571	616,784	838,577	1,176,604
25	Nagaur	237,077	342,636	477,337	637,204
26	Pali	234,765	323,347	390,887	460,006
27	Pratapgarh	35,190	50,134	62,524	71,807
28	Rajsamand	75,877	98,205	128,723	183,820
29	Sawai Madhopur	117,452	157,119	212,640	266,467
30	Sikar	278,936	387,521	472,538	633,906
31	Sirohi	97,001	127,582	150,890	208,654
32	Tonk	143,844	190,420	253,168	317,723
33	Udaipur	273,266	387,343	479,824	608,426
	Total State	**7,210,508**	**10,067,113**	**13,214,375**	**17,048,085**

* The population figures for the year 2011 are as per census 2011 and others are adjusted as per the formation of new Districts.

2. State Projected Population

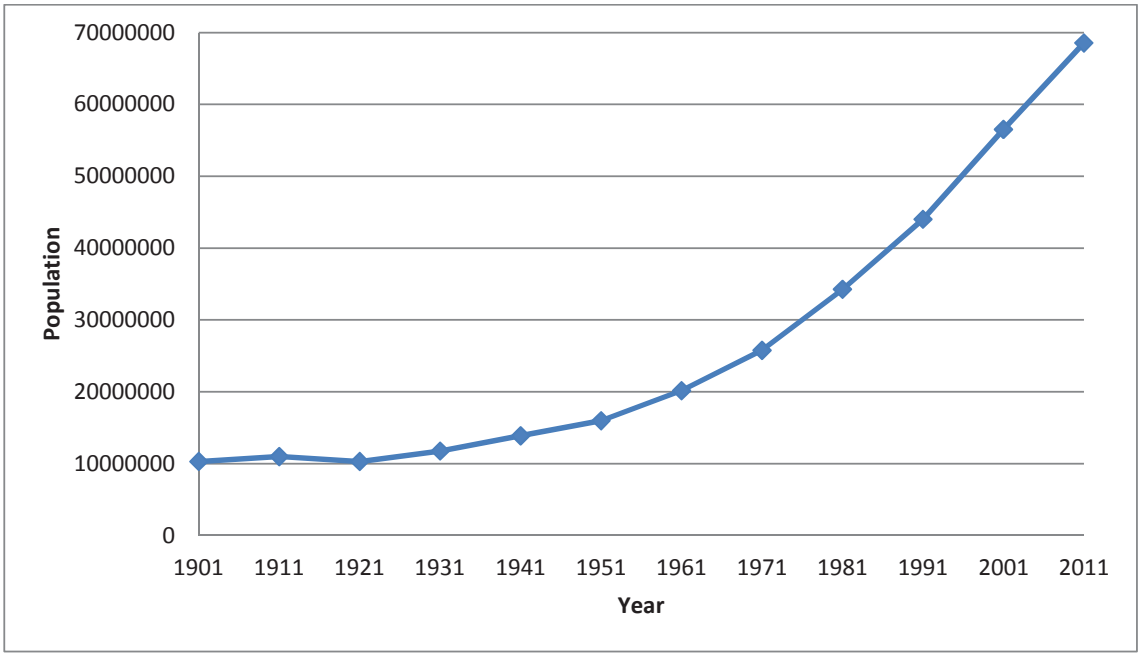
Rajasthan's population figures from 1901 to 2011 are given in Table B-3.4 and its trend is shown in Figure B-3.1.

Table B-3.4 Population of Rajasthan (1901-2011)

Year	Total Population
1901	10,294,090
1911	10,983,509
1921	10,292,648
1931	11,747,974
1941	13,863,859
1951	15,970,774
1961	20,155,602
1971	25,765,806
1981	34,261,862
1991	44,005,990
2001	56,507,188
2011	68,548,437

Source: Census of India

Figure B-3.1 State Population Trend (1901-2011)



For the purpose of projecting State population the data of 1961, 1971, 1981, 1991, 2001 and 2011 has been considered. Figure B-3.1 shows the best fiting curve for total and rural population. Table B-3.5 shows the population projected upto year 1960. Urban population is calculated by subtracting rural population from total population.

Figure B-3.1 State Population Projections

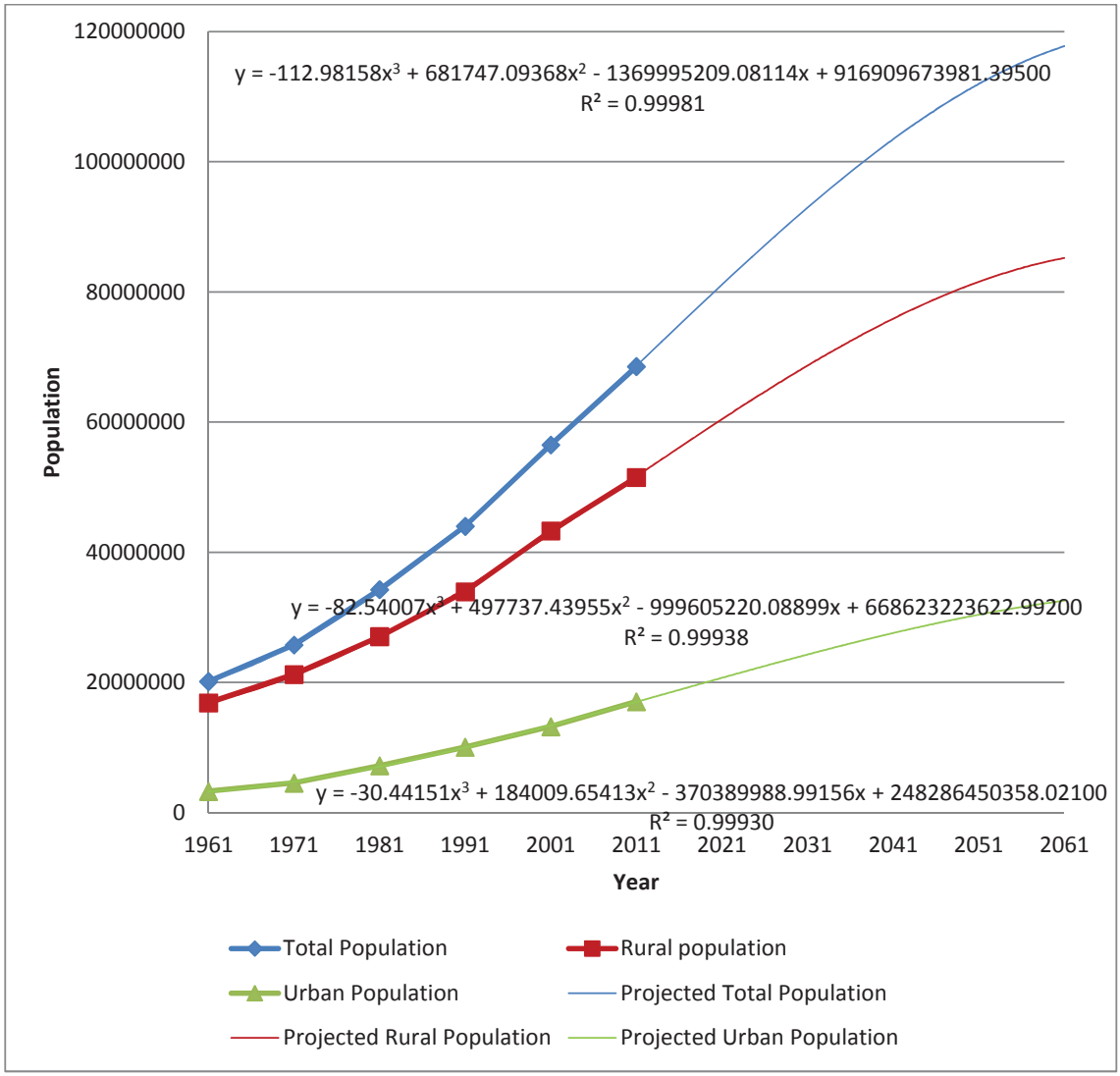


Table B-3.4 Past and Projected Population of Rajasthan (upto 2060)

Year	Total Population	Rural Population	Urban Population
1961	20,155,602	16,874,124	3,281,478
1971	25,765,806	21,222,045	4,543,761
1981	34,261,862	27,051,354	7,210,508
1991	44,005,990	33,938,877	10,067,113
2001	56,507,188	43,292,813	13,214,375
2011	68,548,437	51,500,352	17,048,085
(upto end of 2010)			
The census 2011 was completed in January-February 2011 hence the population of census 2011 has been considered to represent population of the State upto			

Year	Total Population	Rural Population	Urban Population
end of 2010. The projected population from 2011 to 2060 (for next 50 years) is given as below:			
2011	69,921,271	52,562,964	17,358,307
2012	71,178,929	53,450,376	17,728,553
2013	72,435,489	54,336,344	18,099,145
2014	73,690,274	55,220,373	18,469,901
2015	74,942,606	56,101,968	18,840,638
2016	76,191,807	56,980,632	19,211,175
2017	77,437,199	57,855,872	19,581,327
2018	78,678,104	58,727,191	19,950,913
2019	79,913,845	59,594,094	20,319,751
2020	81,143,743	60,456,087	20,687,656
2021	82,367,120	61,312,674	21,054,446
2022	83,583,300	62,163,360	21,419,940
2023	84,791,603	63,007,649	21,783,954
2024	85,991,351	63,845,046	22,146,305
2025	87,181,868	64,675,057	22,506,811
2026	88,362,475	65,497,185	22,865,290
2027	89,532,494	66,310,936	23,221,558
2028	90,691,248	67,115,814	23,575,434
2029	91,838,058	67,911,324	23,926,734
2030	92,972,246	68,696,971	24,275,275
2031	94,093,136	69,472,260	24,620,876
2032	95,200,047	70,236,694	24,963,353
2033	96,292,304	70,989,780	25,302,524
2034	97,369,228	71,731,022	25,638,206
2035	98,430,141	72,459,925	25,970,216
2036	99,474,365	73,175,993	26,298,372
2037	100,501,222	73,878,731	26,622,491
2038	101,510,035	74,567,644	26,942,391
2039	102,500,125	75,242,236	27,257,889
2040	103,470,815	75,902,013	27,568,802
2041	104,421,427	76,546,479	27,874,948
2042	105,351,283	77,175,140	28,176,143
2043	106,259,704	77,787,498	28,472,206
2044	107,146,014	78,383,061	28,762,953
2045	108,009,534	78,961,331	29,048,203
2046	108,849,586	79,521,815	29,327,771
2047	109,665,493	80,064,016	29,601,477
2048	110,456,576	80,587,440	29,869,136
2049	111,222,158	81,091,591	30,130,567
2050	111,961,560	81,575,974	30,385,586
2051	112,674,106	82,040,093	30,634,013
2052	113,359,116	82,483,455	30,875,661
2053	114,015,914	82,905,562	31,110,352
2054	114,643,820	83,305,921	31,337,899
2055	115,242,158	83,684,036	31,558,122
2056	115,810,250	84,039,411	31,770,839

Year	Total Population	Rural Population	Urban Population
2057	116,347,417	84,371,551	31,975,866
2058	116,852,981	84,679,962	32,173,019
2059	117,326,265	84,964,147	32,362,118
2060	117,766,592	85,223,612	32,542,980

The results of projected population have been compared with the projected population figures of Rajasthan for the year 2021 and 2051 as given in 'Rajasthan State Action Plan on climate changes' which was published by the Govt. of Rajasthan and got prepared through TERI supported by GIZ in 2011. Comparing the figures of Projected Population for the year 2021 and 2051 for the state of Rajasthan (given in Table 3.2 of the said document) with those projected by the consultants, it works out that the variation in projected population for the year 2021 and 2051 in both of these is 1.15% and 1.98% only.

3. District-wise / Block-wise Population Projections

The district-wise population projections have been done by "Ratio method' which is considered as satisfactory procedure for projecting the population of sub-divisions of a State where its population has been projected by some other method.

First the total population of all the districts has been projected using the past 3 decades data as given in Table B.3-1. Then the rural population of all the districts has been projected using the past decades data as given in Table B-3.2. After projecting District rural population, the same is subtracted from corresponding District total population to obtain the District urban population for subsequent years. The district-wise total, rural and urban, present (year 2010) and projected population is given in Table B-3.5, B-3.6 and B-3.7, respectively.

After getting yearwise projected population figures, the District wise growth factors for every decade upto 2060 have been worked out for rural and urban population. Planning Stage wise projected population has been given in Table B-3.8. The projected growth rate for 2010-2020, 2020-2040 and 2040-2060 is given in Table B-3.9. These growth factors worked out for rural and urban population for 33 districts have been applied respective on blockwise rural and blockwise/townwise urban population for the year 2010 to get their projections upto 2060. Accordingly, the projected blockwise rural and blockwise/townwise urban population has been shown in Table B-3.10.

4. Present and Projected Domestic Water Demand

Based on the water supply norms given in Section 2.10 (of Part B of Main Report) for DDP and non-DDP blocks for present and future, the net domestic water demand has been estimated for year 2010, 2020, 2040 and 2060 as given in Table B-3.11. The gross domestic demand considering 30% losses in urban areas and 10% losses in rural areas has been estimated for year 2010, 2020, 2040 and 2060 as given in Table B-3.12.

Table B-3.5 District wise Total Present and Projected Population

S. No.	District	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1	Ajmer	2,583,052	2,628,144	2,668,763	2,709,213	2,749,479	2,789,544	2,829,390	2,869,003	2,908,364	2,947,460	2,986,274
2	Alwar	3,674,179	3,751,925	3,823,500	3,895,013	3,966,425	4,037,695	4,108,782	4,179,646	4,250,247	4,320,545	4,390,499
3	Banswara	1,797,485	1,842,292	1,884,226	1,926,267	1,968,387	2,010,558	2,052,750	2,094,935	2,137,082	2,179,163	2,221,147
4	Baran	1,222,755	1,245,448	1,266,038	1,286,564	1,307,014	1,327,381	1,347,653	1,367,823	1,387,880	1,407,815	1,427,620
5	Barmer	2,603,751	2,679,109	2,750,608	2,822,555	2,894,895	2,967,574	3,040,535	3,113,720	3,187,070	3,260,526	3,334,027
6	Bharatpur	2,548,462	2,599,222	2,645,648	2,691,984	2,738,204	2,784,285	2,830,202	2,875,931	2,921,450	2,966,734	3,011,761
7	Bhilwara	2,408,523	2,453,053	2,493,440	2,533,697	2,573,804	2,613,744	2,653,498	2,693,047	2,732,375	2,771,462	2,810,292
8	Bikaner	2,363,937	2,416,893	2,465,935	2,514,989	2,564,027	2,613,018	2,661,933	2,710,741	2,759,413	2,807,918	2,856,227
9	Bundi	1,110,906	1,127,399	1,141,944	1,156,397	1,170,753	1,185,009	1,199,161	1,213,205	1,227,136	1,240,952	1,254,649
10	Chittaurgarh	1,544,338	1,568,190	1,589,340	1,610,367	1,631,263	1,652,023	1,672,639	1,693,105	1,713,416	1,733,565	1,753,547
11	Churu	2,039,547	2,078,386	2,113,732	2,148,980	2,184,115	2,219,118	2,253,974	2,288,664	2,323,173	2,357,484	2,391,581
12	Dausa	1,634,409	1,670,775	1,704,429	1,738,087	1,771,729	1,805,336	1,838,885	1,872,358	1,905,733	1,938,990	1,972,109
13	Dhaulpur	1,206,516	1,231,976	1,255,408	1,278,819	1,302,196	1,325,525	1,348,792	1,371,986	1,395,093	1,418,100	1,440,993
14	Dungarpur	1,388,552	1,420,885	1,450,944	1,481,034	1,511,138	1,541,236	1,571,309	1,601,337	1,631,300	1,661,181	1,690,958
15	Ganganagar	1,969,168	1,988,865	2,005,103	2,021,179	2,037,095	2,052,850	2,068,447	2,083,888	2,099,172	2,114,303	2,129,282
16	Hanumangarh	1,774,692	1,803,383	1,828,980	1,854,442	1,879,761	1,904,928	1,929,934	1,954,771	1,979,430	2,003,903	2,028,182
17	Jaipur	6,626,178	6,784,907	6,932,887	7,081,115	7,229,493	7,377,927	7,526,317	7,674,565	7,822,573	7,970,240	8,117,467
18	Jaisalmer	669,919	688,943	706,961	725,084	743,297	761,586	779,938	798,338	816,772	835,225	853,681
19	Jalore	1,828,730	1,872,573	1,913,450	1,954,397	1,995,385	2,036,390	2,077,383	2,118,338	2,159,227	2,200,023	2,240,697
20	Jhalawar	1,411,129	1,437,162	1,460,767	1,484,295	1,507,735	1,531,076	1,554,308	1,577,420	1,600,401	1,623,241	1,645,931
21	Jhunjhunu	2,137,045	2,161,613	2,182,419	2,203,038	2,223,471	2,243,714	2,263,767	2,283,629	2,303,300	2,322,780	2,342,067
22	Jodhpur	3,687,165	3,780,082	3,867,130	3,954,422	4,041,900	4,129,503	4,217,171	4,304,842	4,392,455	4,479,946	4,567,254
23	Karauli	1,458,248	1,486,383	1,512,026	1,537,604	1,563,104	1,588,515	1,613,823	1,639,016	1,664,082	1,689,008	1,713,782
24	Kota	1,951,014	1,994,889	2,035,537	2,076,198	2,116,849	2,157,464	2,198,018	2,238,487	2,278,845	2,319,068	2,359,130
25	Nagaur	3,307,743	3,367,751	3,422,055	3,476,167	3,530,063	3,583,719	3,637,110	3,690,214	3,743,007	3,795,466	3,847,568
26	Pali	2,037,573	2,061,494	2,081,828	2,101,983	2,121,958	2,141,751	2,161,362	2,180,787	2,200,028	2,219,082	2,237,950
27	Pratapgarh	867,848	886,218	903,130	920,028	936,902	953,743	970,540	987,285	1,003,968	1,020,579	1,037,109
28	Rajsamand	1,156,597	1,175,568	1,192,525	1,209,396	1,226,176	1,242,858	1,259,436	1,275,904	1,292,257	1,308,489	1,324,594
29	Sawai Madhopur	1,335,551	1,360,196	1,382,543	1,404,817	1,427,007	1,449,105	1,471,099	1,492,979	1,514,736	1,536,359	1,557,840
30	Sikar	2,677,333	2,720,892	2,759,784	2,798,475	2,836,953	2,875,202	2,913,209	2,950,962	2,988,447	3,025,651	3,062,563
31	Sirohi	1,036,346	1,057,401	1,076,700	1,095,969	1,115,196	1,134,371	1,153,484	1,172,525	1,191,484	1,210,350	1,229,113
32	Tonk	1,421,326	1,444,792	1,465,782	1,486,669	1,507,444	1,528,100	1,548,630	1,569,024	1,589,278	1,609,382	1,629,331
33	Udaipur	3,068,420	3,134,462	3,195,370	3,256,246	3,317,054	3,377,760	3,438,328	3,498,723	3,558,910	3,618,853	3,678,518
	Total State	**68,548,437**	**69,921,271**	**71,178,932**	**72,435,490**	**73,690,272**	**74,942,608**	**76,191,807**	**77,437,198**	**78,678,104**	**79,913,843**	**81,143,743**

S. No.	District	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	Ajmer	3,024,791	3,062,996	3,100,873	3,138,408	3,175,586	3,212,392	3,248,813	3,284,832	3,320,437	3,355,613
2	Alwar	4,460,070	4,529,218	4,597,902	4,666,083	4,733,722	4,800,779	4,867,215	4,932,989	4,998,064	5,062,399
3	Banswara	2,263,004	2,304,705	2,346,217	2,387,512	2,428,557	2,469,323	2,509,778	2,549,891	2,589,632	2,628,969
4	Baran	1,447,286	1,466,803	1,486,163	1,505,357	1,524,376	1,543,212	1,561,857	1,580,301	1,598,536	1,616,554
5	Barmer	3,407,510	3,480,913	3,554,172	3,627,222	3,699,999	3,772,437	3,844,469	3,916,027	3,987,046	4,057,456
6	Bharatpur	3,056,506	3,100,947	3,145,061	3,188,824	3,232,214	3,275,208	3,317,784	3,359,919	3,401,590	3,442,775
7	Bhilwara	2,848,846	2,887,109	2,925,062	2,962,688	2,999,971	3,036,894	3,073,441	3,109,594	3,145,337	3,180,654
8	Bikaner	2,904,309	2,952,135	2,999,673	3,046,895	3,093,769	3,140,267	3,186,356	3,232,009	3,277,194	3,321,881
9	Bundi	1,268,224	1,281,673	1,294,993	1,308,182	1,321,234	1,334,149	1,346,922	1,359,551	1,372,032	1,384,363
10	Chittaurgarh	1,773,355	1,792,985	1,812,430	1,831,686	1,850,747	1,869,608	1,888,264	1,906,709	1,924,938	1,942,947
11	Churu	2,425,447	2,459,066	2,492,422	2,525,500	2,558,284	2,590,757	2,622,905	2,654,711	2,686,161	2,717,238
12	Dausa	2,005,070	2,037,852	2,070,434	2,102,796	2,134,918	2,166,779	2,198,359	2,229,637	2,260,594	2,291,208
13	Dhaulpur	1,463,760	1,486,388	1,508,864	1,531,174	1,553,306	1,575,247	1,596,984	1,618,505	1,639,796	1,660,845
14	Dungarpur	1,720,613	1,750,126	1,779,477	1,808,646	1,837,614	1,866,361	1,894,867	1,923,113	1,951,078	1,978,743
15	Ganganagar	2,144,110	2,158,790	2,173,324	2,187,713	2,201,960	2,216,066	2,230,034	2,243,864	2,257,560	2,271,122
16	Hanumangarh	2,052,259	2,076,125	2,099,775	2,123,199	2,146,391	2,169,343	2,192,048	2,214,498	2,236,686	2,258,606
17	Jaipur	8,264,154	8,410,199	8,555,501	8,699,958	8,843,470	8,985,933	9,127,246	9,267,306	9,406,011	9,543,258
18	Jaisalmer	872,126	890,544	908,919	927,236	945,479	963,630	981,675	999,597	1,017,379	1,035,004
19	Jalore	2,281,223	2,321,572	2,361,716	2,401,627	2,441,277	2,480,638	2,519,682	2,558,380	2,596,703	2,634,624
20	Jhalawar	1,668,459	1,690,816	1,712,991	1,734,976	1,756,759	1,778,332	1,799,684	1,820,807	1,841,689	1,862,323
21	Jhunjhunu	2,361,161	2,380,064	2,398,774	2,417,291	2,435,616	2,453,749	2,471,690	2,489,439	2,506,995	2,524,359
22	Jodhpur	4,654,313	4,741,062	4,827,434	4,913,366	4,998,793	5,083,650	5,167,871	5,251,390	5,334,143	5,416,062
23	Karauli	1,738,392	1,762,827	1,787,073	1,811,120	1,834,955	1,858,567	1,881,945	1,905,075	1,927,948	1,950,551
24	Kota	2,399,007	2,438,673	2,478,102	2,517,271	2,556,153	2,594,725	2,632,959	2,670,832	2,708,318	2,745,393
25	Nagaur	3,899,291	3,950,612	4,001,510	4,051,962	4,101,947	4,151,444	4,200,430	4,248,885	4,296,787	4,344,116
26	Pali	2,256,630	2,275,122	2,293,426	2,311,542	2,329,468	2,347,206	2,364,754	2,382,112	2,399,281	2,416,258
27	Pratapgarh	1,053,549	1,069,889	1,086,119	1,102,230	1,118,214	1,134,060	1,149,759	1,165,302	1,180,679	1,195,882
28	Rajsamand	1,340,567	1,356,403	1,372,095	1,387,640	1,403,032	1,418,265	1,433,334	1,448,236	1,462,963	1,477,513
29	Sawai Madhopur	1,579,168	1,600,334	1,621,328	1,642,142	1,662,765	1,683,189	1,703,404	1,723,401	1,743,172	1,762,707
30	Sikar	3,099,169	3,135,457	3,171,417	3,207,035	3,242,301	3,277,203	3,311,730	3,345,870	3,379,613	3,412,946
31	Sirohi	1,247,764	1,266,292	1,284,688	1,302,941	1,321,042	1,338,980	1,356,747	1,374,332	1,391,725	1,408,917
32	Tonk	1,649,117	1,668,734	1,688,175	1,707,433	1,726,502	1,745,375	1,764,047	1,782,510	1,800,758	1,818,784
33	Udaipur	3,737,870	3,796,873	3,855,493	3,913,695	3,971,444	4,028,705	4,085,444	4,141,625	4,197,215	4,252,179
	Total State	**82,367,120**	**83,583,304**	**84,791,603**	**85,991,350**	**87,181,865**	**88,362,473**	**89,532,497**	**90,691,249**	**91,838,060**	**92,972,249**

S. No.	District	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
1	Ajmer	3,390,345	3,424,619	3,458,421	3,491,737	3,524,552	3,556,852	3,588,623	3,619,850	3,650,518	3,680,614
2	Alwar	5,125,955	5,188,694	5,250,577	5,311,564	5,371,617	5,430,697	5,488,766	5,545,784	5,601,714	5,656,516
3	Banswara	2,667,870	2,706,305	2,744,243	2,781,652	2,818,502	2,854,762	2,890,400	2,925,386	2,959,689	2,993,278
4	Baran	1,634,346	1,651,904	1,669,220	1,686,284	1,703,089	1,719,626	1,735,887	1,751,863	1,767,546	1,782,928
5	Barmer	4,127,190	4,196,179	4,264,355	4,331,649	4,397,992	4,463,316	4,527,552	4,590,632	4,652,487	4,713,050
6	Bharatpur	3,483,452	3,523,598	3,563,191	3,602,210	3,640,631	3,678,432	3,715,592	3,752,088	3,787,898	3,823,000
7	Bhilwara	3,215,528	3,249,943	3,283,882	3,317,329	3,350,269	3,382,684	3,414,558	3,445,874	3,476,617	3,506,769
8	Bikaner	3,366,041	3,409,644	3,452,659	3,495,058	3,536,809	3,577,885	3,618,254	3,657,887	3,696,755	3,734,829
9	Bundi	1,396,540	1,408,561	1,420,422	1,432,120	1,443,652	1,455,015	1,466,206	1,477,221	1,488,057	1,498,710
10	Chittaurgarh	1,960,730	1,978,283	1,995,599	2,012,673	2,029,502	2,046,078	2,062,397	2,078,453	2,094,241	2,109,754
11	Churu	2,747,928	2,778,215	2,808,083	2,837,518	2,866,503	2,895,025	2,923,067	2,950,614	2,977,650	3,004,161
12	Dausa	2,321,460	2,351,328	2,380,794	2,409,837	2,438,436	2,466,572	2,494,224	2,521,373	2,547,998	2,574,080
13	Dhaulpur	1,681,639	1,702,165	1,722,411	1,742,364	1,762,011	1,781,340	1,800,338	1,818,993	1,837,291	1,855,222
14	Dungarpur	2,006,088	2,033,094	2,059,740	2,086,007	2,111,876	2,137,326	2,162,339	2,186,895	2,210,974	2,234,557
15	Ganganagar	2,284,552	2,297,851	2,311,021	2,324,062	2,336,977	2,349,765	2,362,427	2,374,963	2,387,374	2,399,660
16	Hanumangarh	2,280,249	2,301,609	2,322,678	2,343,449	2,363,915	2,384,068	2,403,901	2,423,407	2,442,577	2,461,405
17	Jaipur	9,678,945	9,812,971	9,945,231	10,075,625	10,204,051	10,330,407	10,454,591	10,576,503	10,696,041	10,813,106
18	Jaisalmer	1,052,456	1,069,719	1,086,775	1,103,608	1,120,201	1,136,536	1,152,599	1,168,371	1,183,837	1,198,979
19	Jalore	2,672,115	2,709,146	2,745,690	2,781,718	2,817,203	2,852,115	2,886,428	2,920,113	2,953,142	2,985,487
20	Jhalawar	1,882,698	1,902,804	1,922,633	1,942,174	1,961,419	1,980,357	1,998,980	2,017,277	2,035,239	2,052,856
21	Jhunjhunu	2,541,530	2,558,509	2,575,295	2,591,887	2,608,284	2,624,486	2,640,492	2,656,300	2,671,909	2,687,317
22	Jodhpur	5,497,083	5,577,139	5,656,165	5,734,094	5,810,861	5,886,400	5,960,646	6,033,534	6,104,999	6,174,976
23	Karauli	1,972,872	1,994,901	2,016,626	2,038,036	2,059,118	2,079,862	2,100,256	2,120,289	2,139,949	2,159,225
24	Kota	2,782,031	2,818,207	2,853,897	2,889,074	2,923,716	2,957,796	2,991,290	3,024,174	3,056,423	3,088,011
25	Nagaur	4,390,849	4,436,967	4,482,448	4,527,271	4,571,416	4,614,860	4,657,583	4,699,564	4,740,782	4,781,214
26	Pali	2,433,045	2,449,640	2,466,043	2,482,253	2,498,268	2,514,089	2,529,712	2,545,138	2,560,364	2,575,388
27	Pratapgarh	1,210,901	1,225,726	1,240,350	1,254,762	1,268,953	1,282,914	1,296,636	1,310,110	1,323,326	1,336,276
28	Rajsamand	1,491,878	1,506,056	1,520,039	1,533,825	1,547,406	1,560,779	1,573,938	1,586,879	1,599,595	1,612,081
29	Sawai Madhopur	1,781,996	1,801,032	1,819,805	1,838,305	1,856,525	1,874,455	1,892,085	1,909,408	1,926,413	1,943,092
30	Sikar	3,445,859	3,478,341	3,510,380	3,541,965	3,573,085	3,603,728	3,633,884	3,663,539	3,692,683	3,721,303
31	Sirohi	1,425,898	1,442,658	1,459,188	1,475,478	1,491,519	1,507,300	1,522,813	1,538,047	1,552,993	1,567,642
32	Tonk	1,836,584	1,854,150	1,871,475	1,888,555	1,905,381	1,921,949	1,938,250	1,954,280	1,970,031	1,985,496
33	Udaipur	4,306,482	4,360,090	4,412,969	4,465,084	4,516,402	4,566,888	4,616,508	4,665,228	4,713,015	4,759,834
	Total State	**94,093,135**	**95,200,048**	**96,292,305**	**97,369,227**	**98,430,141**	**99,474,364**	**100,501,222**	**101,510,037**	**102,500,127**	**103,470,816**

S. No.	District	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
1	Ajmer	3,710,121	3,739,025	3,767,311	3,794,964	3,821,968	3,848,307	3,873,965	3,898,927	3,923,175	3,946,693
2	Alwar	5,710,153	5,762,586	5,813,776	5,863,686	5,912,277	5,959,510	6,005,348	6,049,752	6,092,684	6,134,106
3	Banswara	3,026,124	3,058,196	3,089,464	3,119,898	3,149,469	3,178,147	3,205,903	3,232,708	3,258,535	3,283,354
4	Baran	1,797,998	1,812,751	1,827,175	1,841,264	1,855,007	1,868,396	1,881,423	1,894,078	1,906,352	1,918,236
5	Barmer	4,772,254	4,830,032	4,886,317	4,941,044	4,994,148	5,045,565	5,095,231	5,143,085	5,189,065	5,233,110
6	Bharatpur	3,857,371	3,890,990	3,923,834	3,955,881	3,987,108	4,017,493	4,047,013	4,075,646	4,103,370	4,130,160
7	Bhilwara	3,536,314	3,565,235	3,593,515	3,621,138	3,648,086	3,674,342	3,699,889	3,724,709	3,748,784	3,772,096
8	Bikaner	3,772,079	3,808,475	3,843,990	3,878,594	3,912,257	3,944,952	3,976,649	4,007,321	4,036,938	4,065,472
9	Bundi	1,509,176	1,519,453	1,529,535	1,539,420	1,549,103	1,558,580	1,567,847	1,576,898	1,585,730	1,594,337
10	Chittaurgarh	2,124,988	2,139,936	2,154,592	2,168,950	2,183,004	2,196,746	2,210,170	2,223,269	2,236,036	2,248,464
11	Churu	3,030,131	3,055,544	3,080,384	3,104,637	3,128,285	3,151,314	3,173,708	3,195,449	3,216,523	3,236,913
12	Dausa	2,599,598	2,624,534	2,648,866	2,672,576	2,695,644	2,718,050	2,739,776	2,760,800	2,781,105	2,800,671
13	Dhaulpur	1,872,771	1,889,926	1,906,676	1,923,007	1,938,907	1,954,364	1,969,364	1,983,897	1,997,948	2,011,506
14	Dungarpur	2,257,624	2,280,158	2,302,137	2,323,545	2,344,361	2,364,566	2,384,143	2,403,072	2,421,335	2,438,914
15	Ganganagar	2,411,819	2,423,852	2,435,757	2,447,534	2,459,180	2,470,695	2,482,075	2,493,318	2,504,421	2,515,381
16	Hanumangarh	2,479,881	2,497,999	2,515,749	2,533,125	2,550,116	2,566,715	2,582,913	2,598,700	2,614,068	2,629,006
17	Jaipur	10,927,598	11,039,417	11,148,464	11,254,642	11,357,852	11,457,998	11,554,983	11,648,712	11,739,090	11,826,023
18	Jaisalmer	1,213,781	1,228,228	1,242,302	1,255,988	1,269,271	1,282,133	1,294,561	1,306,538	1,318,050	1,329,081
19	Jalore	3,017,122	3,048,017	3,078,147	3,107,484	3,136,000	3,163,669	3,190,465	3,216,361	3,241,331	3,265,348
20	Jhalawar	2,070,119	2,087,018	2,103,543	2,119,684	2,135,431	2,150,775	2,165,705	2,180,211	2,194,282	2,207,908
21	Jhunjhunu	2,702,522	2,717,523	2,732,315	2,746,897	2,761,265	2,775,416	2,789,346	2,803,050	2,816,525	2,829,764
22	Jodhpur	6,243,401	6,310,209	6,375,339	6,438,725	6,500,307	6,560,021	6,617,807	6,673,603	6,727,350	6,778,988
23	Karauli	2,178,105	2,196,577	2,214,631	2,232,254	2,249,434	2,266,161	2,282,422	2,298,205	2,313,498	2,328,289
24	Kota	3,118,916	3,149,112	3,178,575	3,207,281	3,235,206	3,262,325	3,288,616	3,314,054	3,338,615	3,362,276
25	Nagaur	4,820,840	4,859,638	4,897,586	4,934,662	4,970,844	5,006,109	5,040,435	5,073,799	5,106,177	5,137,546
26	Pali	2,590,209	2,604,823	2,619,228	2,633,421	2,647,398	2,661,157	2,674,693	2,688,001	2,701,078	2,713,917
27	Pratapgarh	1,348,951	1,361,341	1,373,438	1,385,232	1,396,714	1,407,875	1,418,706	1,429,199	1,439,344	1,449,132
28	Rajsamand	1,624,333	1,636,344	1,648,109	1,659,622	1,670,878	1,681,871	1,692,595	1,703,043	1,713,209	1,723,087
29	Sawai Madhopur	1,959,435	1,975,434	1,991,079	2,006,360	2,021,268	2,035,795	2,049,929	2,063,662	2,076,983	2,089,883
30	Sikar	3,749,388	3,776,925	3,803,902	3,830,305	3,856,122	3,881,339	3,905,943	3,929,920	3,953,256	3,975,935
31	Sirohi	1,581,983	1,596,008	1,609,707	1,623,069	1,636,086	1,648,748	1,661,044	1,672,967	1,684,504	1,695,648
32	Tonk	2,000,670	2,015,544	2,030,112	2,044,367	2,058,301	2,071,908	2,085,180	2,098,108	2,110,686	2,122,905
33	Udaipur	4,805,652	4,850,434	4,894,149	4,936,760	4,978,236	5,018,543	5,057,647	5,095,515	5,132,114	5,167,410
	Total State	**104,421,427**	**105,351,284**	**106,259,704**	**107,146,016**	**108,009,533**	**108,849,585**	**109,665,494**	**110,456,577**	**111,222,161**	**111,961,559**

S. No.	District	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
1	Ajmer	3,969,465	3,991,471	4,012,696	4,033,121	4,052,727	4,071,497	4,089,410	4,106,448	4,122,590	4,137,816
2	Alwar	6,173,980	6,212,268	6,248,931	6,283,932	6,317,233	6,348,794	6,378,580	6,406,550	6,432,667	6,456,894
3	Banswara	3,307,138	3,329,859	3,351,491	3,372,006	3,391,377	3,409,580	3,426,588	3,442,376	3,456,921	3,470,197
4	Baran	1,929,721	1,940,797	1,951,454	1,961,684	1,971,476	1,980,821	1,989,708	1,998,127	2,006,068	2,013,520
5	Barmer	5,275,163	5,315,165	5,353,059	5,388,791	5,422,307	5,453,555	5,482,484	5,509,046	5,533,193	5,554,880
6	Bharatpur	4,155,996	4,180,852	4,204,707	4,227,537	4,249,319	4,270,029	4,289,644	4,308,139	4,325,492	4,341,676
7	Bhilwara	3,794,627	3,816,360	3,837,275	3,857,353	3,876,575	3,894,923	3,912,376	3,928,914	3,944,518	3,959,166
8	Bikaner	4,092,895	4,119,179	4,144,296	4,168,219	4,190,920	4,212,371	4,232,545	4,251,416	4,268,955	4,285,137
9	Bundi	1,602,714	1,610,857	1,618,759	1,626,415	1,633,820	1,640,966	1,647,848	1,654,459	1,660,793	1,666,841
10	Chittaurgarh	2,260,544	2,272,269	2,283,631	2,294,620	2,305,229	2,315,448	2,325,268	2,334,679	2,343,672	2,352,235
11	Churu	3,256,602	3,275,574	3,293,811	3,311,298	3,328,016	3,343,949	3,359,079	3,373,389	3,386,860	3,399,475
12	Dausa	2,819,479	2,837,510	2,854,744	2,871,163	2,886,748	2,901,481	2,915,342	2,928,314	2,940,377	2,951,515
13	Dhaulpur	2,024,559	2,037,093	2,049,097	2,060,558	2,071,463	2,081,801	2,091,558	2,100,722	2,109,281	2,117,223
14	Dungarpur	2,455,791	2,471,947	2,487,364	2,502,026	2,515,914	2,529,010	2,541,298	2,552,761	2,563,382	2,573,143
15	Ganganagar	2,526,194	2,536,856	2,547,362	2,557,708	2,567,887	2,577,894	2,587,721	2,597,363	2,606,810	2,616,056
16	Hanumangarh	2,643,506	2,657,556	2,671,147	2,684,267	2,696,907	2,709,055	2,720,698	2,731,826	2,742,426	2,752,485
17	Jaipur	11,909,419	11,989,184	12,065,227	12,137,460	12,205,791	12,270,134	12,330,401	12,386,506	12,438,365	12,485,895
18	Jaisalmer	1,339,619	1,349,647	1,359,154	1,368,124	1,376,545	1,384,404	1,391,688	1,398,386	1,404,485	1,409,975
19	Jalore	3,288,388	3,310,424	3,331,431	3,351,385	3,370,260	3,388,033	3,404,679	3,420,175	3,434,497	3,447,622
20	Jhalawar	2,221,079	2,233,784	2,246,011	2,257,751	2,268,991	2,279,721	2,289,930	2,299,604	2,308,733	2,317,305
21	Jhunjhunu	2,842,762	2,855,514	2,868,013	2,880,252	2,892,224	2,903,920	2,915,332	2,926,451	2,937,268	2,947,772
22	Jodhpur	6,828,458	6,875,702	6,920,663	6,963,285	7,003,513	7,041,291	7,076,566	7,109,286	7,139,400	7,166,856
23	Karauli	2,342,566	2,356,318	2,369,530	2,382,192	2,394,290	2,405,812	2,416,745	2,427,076	2,436,792	2,445,880
24	Kota	3,385,013	3,406,803	3,427,623	3,447,450	3,466,261	3,484,032	3,500,742	3,516,368	3,530,887	3,544,277
25	Nagaur	5,167,882	5,197,161	5,225,358	5,252,449	5,278,409	5,303,211	5,326,829	5,349,237	5,370,409	5,390,316
26	Pali	2,726,514	2,738,862	2,750,956	2,762,788	2,774,351	2,785,637	2,796,638	2,807,345	2,817,748	2,827,838
27	Pratapgarh	1,458,554	1,467,601	1,476,264	1,484,534	1,492,402	1,499,859	1,506,897	1,513,505	1,519,676	1,525,399
28	Rajsamand	1,732,670	1,741,952	1,750,925	1,759,583	1,767,917	1,775,921	1,783,587	1,790,907	1,797,873	1,804,475
29	Sawai Madhopur	2,102,351	2,114,379	2,125,954	2,137,068	2,147,708	2,157,866	2,167,529	2,176,687	2,185,329	2,193,443
30	Sikar	3,997,943	4,019,265	4,039,885	4,059,786	4,078,952	4,097,365	4,115,009	4,131,864	4,147,913	4,163,136
31	Sirohi	1,706,388	1,716,715	1,726,618	1,736,088	1,745,115	1,753,689	1,761,799	1,769,437	1,776,592	1,783,253
32	Tonk	2,134,756	2,146,232	2,157,324	2,168,023	2,178,320	2,188,205	2,197,669	2,206,702	2,215,294	2,223,434
33	Udaipur	5,201,370	5,233,961	5,265,150	5,294,905	5,323,191	5,349,977	5,375,229	5,398,915	5,421,002	5,441,457
	Total State	**112,674,106**	**113,359,117**	**114,015,910**	**114,643,821**	**115,242,158**	**115,810,251**	**116,347,416**	**116,852,980**	**117,326,268**	**117,766,592**

Table B-3.6 District wise Rural Present and Projected Population

S. No.	District	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1	Ajmer	1,547,642	1,578,633	1,604,303	1,629,877	1,655,341	1,680,682	1,705,887	1,730,943	1,755,838	1,780,560	1,805,096
2	Alwar	3,019,728	3,079,295	3,128,470	3,177,447	3,226,201	3,274,707	3,322,942	3,370,881	3,418,502	3,465,781	3,512,696
3	Banswara	1,669,864	1,716,696	1,758,057	1,799,565	1,841,189	1,882,899	1,924,662	1,966,445	2,008,217	2,049,943	2,091,591
4	Baran	968,541	984,178	996,454	1,008,642	1,020,738	1,032,738	1,044,638	1,056,434	1,068,123	1,079,702	1,091,167
5	Barmer	2,421,914	2,499,307	2,569,064	2,639,324	2,710,030	2,781,124	2,852,547	2,924,237	2,996,131	3,068,166	3,140,276
6	Bharatpur	2,053,363	2,099,605	2,138,864	2,178,063	2,217,179	2,256,188	2,295,066	2,333,791	2,372,337	2,410,683	2,448,805
7	Bhilwara	1,895,869	1,934,091	1,965,799	1,997,391	2,028,852	2,060,163	2,091,311	2,122,278	2,153,049	2,183,608	2,213,940
8	Bikaner	1,563,553	1,602,076	1,635,345	1,668,628	1,701,903	1,735,147	1,768,338	1,801,453	1,834,471	1,867,367	1,900,121
9	Bundi	888,205	902,093	912,898	923,620	934,257	944,805	955,262	965,624	975,888	986,053	996,114
10	Chittaurgarh	1,259,074	1,280,732	1,298,029	1,315,217	1,332,290	1,349,242	1,366,065	1,382,755	1,399,304	1,415,708	1,431,959
11	Churu	1,463,312	1,496,397	1,524,508	1,552,578	1,580,590	1,608,529	1,636,375	1,664,114	1,691,727	1,719,198	1,746,510
12	Dausa	1,432,616	1,464,802	1,492,114	1,519,383	1,546,594	1,573,728	1,600,771	1,627,705	1,654,515	1,681,184	1,707,696
13	Dhaulpur	959,066	978,670	994,982	1,011,239	1,027,432	1,043,552	1,059,591	1,075,541	1,091,393	1,107,139	1,122,770
14	Dungarpur	1,299,809	1,327,503	1,356,054	1,384,656	1,413,295	1,441,949	1,470,604	1,499,239	1,527,833	1,556,372	1,584,833
15	Ganganagar	1,433,736	1,448,055	1,457,411	1,466,656	1,475,792	1,484,820	1,493,741	1,502,557	1,511,270	1,519,881	1,528,393
16	Hanumangarh	1,424,228	1,451,341	1,473,542	1,495,640	1,517,624	1,539,484	1,561,210	1,582,792	1,604,219	1,625,483	1,646,574
17	Jaipur	3,154,331	3,218,081	3,270,996	3,323,719	3,376,225	3,428,485	3,480,472	3,532,160	3,583,523	3,634,535	3,685,169
18	Jaisalmer	580,894	600,074	617,445	634,958	652,600	670,355	688,209	706,145	724,147	742,200	760,287
19	Jalore	1,676,975	1,720,155	1,757,742	1,795,382	1,833,050	1,870,720	1,908,365	1,945,958	1,983,472	2,020,880	2,058,155
20	Jhalawar	1,181,838	1,203,822	1,221,726	1,239,540	1,257,255	1,274,864	1,292,358	1,309,732	1,326,975	1,344,083	1,361,046
21	Jhunjhunu	1,647,966	1,666,306	1,678,930	1,691,414	1,703,758	1,715,961	1,728,026	1,739,952	1,751,741	1,763,393	1,774,909
22	Jodhpur	2,422,551	2,488,118	2,545,683	2,603,401	2,661,230	2,719,127	2,777,050	2,834,956	2,892,800	2,950,538	3,008,125
23	Karauli	1,240,143	1,266,140	1,287,890	1,309,576	1,331,186	1,352,708	1,374,132	1,395,444	1,416,634	1,437,691	1,458,601
24	Kota	774,410	781,244	785,405	789,514	793,573	797,583	801,544	805,459	809,329	813,155	816,939
25	Nagaur	2,670,539	2,718,935	2,758,099	2,797,049	2,835,769	2,874,241	2,912,449	2,950,379	2,988,013	3,025,338	3,062,337
26	Pali	1,577,567	1,597,837	1,612,626	1,627,268	1,641,763	1,656,109	1,670,303	1,684,346	1,698,235	1,711,971	1,725,551
27	Pratapgarh	796,041	815,434	832,148	848,864	865,572	882,261	898,919	915,536	932,100	948,599	965,024
28	Rajsamand	972,777	987,909	999,663	1,011,327	1,022,897	1,034,370	1,045,742	1,057,011	1,068,174	1,079,227	1,090,168
29	Sawai Madhopur	1,069,084	1,090,302	1,107,844	1,125,316	1,142,710	1,160,018	1,177,231	1,194,340	1,211,336	1,228,212	1,244,960
30	Sikar	2,043,427	2,073,797	2,097,068	2,120,146	2,143,027	2,165,703	2,188,171	2,210,424	2,232,457	2,254,266	2,275,847
31	Sirohi	827,692	844,118	857,697	871,223	884,688	898,087	911,412	924,656	937,813	950,878	963,842
32	Tonk	1,103,603	1,122,544	1,137,663	1,152,686	1,167,607	1,182,423	1,197,126	1,211,711	1,226,174	1,240,508	1,254,710
33	Udaipur	2,459,994	2,517,480	2,566,638	2,615,758	2,664,811	2,713,766	2,762,590	2,811,254	2,859,727	2,907,977	2,955,973
	Total State	**51,500,352**	**52,555,770**	**53,441,157**	**54,325,067**	**55,207,028**	**56,086,538**	**56,963,109**	**57,836,252**	**58,705,467**	**59,570,279**	**60,430,184**

S. No.	District	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	Ajmer	1,829,434	1,853,561	1,877,467	1,901,139	1,924,565	1,947,734	1,970,634	1,993,254	2,015,581	2,037,605
2	Alwar	3,559,224	3,605,342	3,651,029	3,696,261	3,741,019	3,785,280	3,829,022	3,872,224	3,914,865	3,956,925
3	Banswara	2,133,126	2,174,514	2,215,721	2,256,713	2,297,453	2,337,908	2,378,042	2,417,820	2,457,206	2,496,165
4	Baran	1,102,514	1,113,742	1,124,845	1,135,822	1,146,670	1,157,385	1,167,965	1,178,406	1,188,706	1,198,861
5	Barmer	3,212,394	3,284,453	3,356,383	3,428,116	3,499,580	3,570,704	3,641,416	3,711,643	3,781,310	3,850,345
6	Bharatpur	2,486,680	2,524,284	2,561,594	2,598,588	2,635,242	2,671,534	2,707,440	2,742,938	2,778,006	2,812,621
7	Bhilwara	2,244,030	2,273,863	2,303,423	2,332,696	2,361,667	2,390,321	2,418,644	2,446,622	2,474,239	2,501,482
8	Bikaner	1,932,708	1,965,106	1,997,292	2,029,243	2,060,937	2,092,351	2,123,462	2,154,247	2,184,683	2,214,747
9	Bundi	1,006,071	1,015,920	1,025,658	1,035,285	1,044,796	1,054,190	1,063,465	1,072,618	1,081,648	1,090,551
10	Chittaurgarh	1,448,053	1,463,985	1,479,748	1,495,337	1,510,747	1,525,972	1,541,009	1,555,850	1,570,492	1,584,929
11	Churu	1,773,647	1,800,591	1,827,326	1,853,836	1,880,104	1,906,112	1,931,846	1,957,288	1,982,423	2,007,234
12	Dausa	1,734,035	1,760,185	1,786,130	1,811,854	1,837,341	1,862,576	1,887,542	1,912,224	1,936,606	1,960,673
13	Dhaulpur	1,138,280	1,153,660	1,168,901	1,183,997	1,198,938	1,213,718	1,228,329	1,242,763	1,257,012	1,271,069
14	Dungarpur	1,613,201	1,641,455	1,669,575	1,697,544	1,725,342	1,752,949	1,780,348	1,807,518	1,834,440	1,861,096
15	Ganganagar	1,536,807	1,545,126	1,553,351	1,561,483	1,569,526	1,577,481	1,585,350	1,593,134	1,600,836	1,608,457
16	Hanumangarh	1,667,482	1,688,198	1,708,713	1,729,018	1,749,103	1,768,960	1,788,580	1,807,954	1,827,073	1,845,928
17	Jaipur	3,735,400	3,785,203	3,834,553	3,883,424	3,931,793	3,979,633	4,026,922	4,073,634	4,119,745	4,165,232
18	Jaisalmer	778,389	796,490	814,572	832,617	850,607	868,522	886,344	904,054	921,632	939,060
19	Jalore	2,095,269	2,132,195	2,168,905	2,205,371	2,241,566	2,277,461	2,313,030	2,348,244	2,383,075	2,417,496
20	Jhalawar	1,377,858	1,394,511	1,411,000	1,427,316	1,443,453	1,459,404	1,475,162	1,490,721	1,506,074	1,521,215
21	Jhunjhunu	1,786,292	1,797,541	1,808,658	1,819,645	1,830,502	1,841,231	1,851,833	1,862,310	1,872,662	1,882,890
22	Jodhpur	3,065,517	3,122,668	3,179,533	3,236,066	3,292,220	3,347,950	3,403,210	3,457,953	3,512,132	3,565,701
23	Karauli	1,479,356	1,499,942	1,520,350	1,540,567	1,560,584	1,580,388	1,599,969	1,619,317	1,638,420	1,657,268
24	Kota	820,681	824,384	828,049	831,678	835,271	838,830	842,356	845,851	849,317	852,753
25	Nagaur	3,098,997	3,135,302	3,171,238	3,206,792	3,241,948	3,276,694	3,311,016	3,344,900	3,378,332	3,411,299
26	Pali	1,738,975	1,752,244	1,765,355	1,778,309	1,791,105	1,803,742	1,816,221	1,828,540	1,840,699	1,852,698
27	Pratapgarh	981,362	997,603	1,013,735	1,029,746	1,045,626	1,061,364	1,076,947	1,092,365	1,107,607	1,122,662
28	Rajsamand	1,100,995	1,111,704	1,122,292	1,132,759	1,143,100	1,153,313	1,163,397	1,173,349	1,183,166	1,192,845
29	Sawai Madhopur	1,261,570	1,278,035	1,294,348	1,310,499	1,326,481	1,342,287	1,357,908	1,373,337	1,388,566	1,403,588
30	Sikar	2,297,195	2,318,305	2,339,174	2,359,798	2,380,173	2,400,295	2,420,160	2,439,764	2,459,104	2,478,176
31	Sirohi	976,700	989,446	1,002,074	1,014,577	1,026,949	1,039,185	1,051,277	1,063,221	1,075,010	1,086,639
32	Tonk	1,268,774	1,282,695	1,296,469	1,310,090	1,323,556	1,336,860	1,349,998	1,362,966	1,375,759	1,388,374
33	Udaipur	3,003,684	3,051,080	3,098,130	3,144,802	3,191,067	3,236,893	3,282,250	3,327,106	3,371,433	3,415,199
	Total State	**61,284,700**	**62,133,333**	**62,975,591**	**63,810,988**	**64,639,031**	**65,459,227**	**66,271,094**	**67,074,135**	**67,867,859**	**68,651,783**

S. No.	District	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
1	Ajmer	2,059,315	2,080,698	2,101,744	2,122,442	2,142,779	2,162,746	2,182,330	2,201,521	2,220,306	2,238,676
2	Alwar	3,998,381	4,039,214	4,079,401	4,118,923	4,157,759	4,195,887	4,233,287	4,269,938	4,305,819	4,340,909
3	Banswara	2,534,661	2,572,659	2,610,122	2,647,017	2,683,306	2,718,956	2,753,930	2,788,194	2,821,713	2,854,452
4	Baran	1,208,870	1,218,729	1,228,435	1,237,985	1,247,376	1,256,606	1,265,670	1,274,567	1,283,292	1,291,843
5	Barmer	3,918,673	3,986,219	4,052,909	4,118,667	4,183,418	4,247,088	4,309,601	4,370,884	4,430,862	4,489,461
6	Bharatpur	2,846,760	2,880,401	2,913,522	2,946,101	2,978,114	3,009,541	3,040,359	3,070,546	3,100,080	3,128,939
7	Bhilwara	2,528,337	2,554,788	2,580,823	2,606,426	2,631,584	2,656,282	2,680,508	2,704,245	2,727,480	2,750,200
8	Bikaner	2,244,418	2,273,671	2,302,486	2,330,838	2,358,707	2,386,068	2,412,901	2,439,182	2,464,891	2,490,004
9	Bundi	1,099,326	1,107,970	1,116,482	1,124,858	1,133,097	1,141,196	1,149,152	1,156,964	1,164,628	1,172,143
10	Chittaurgarh	1,599,157	1,613,169	1,626,961	1,640,528	1,653,865	1,666,967	1,679,828	1,692,443	1,704,807	1,716,914
11	Churu	2,031,704	2,055,817	2,079,559	2,102,911	2,125,859	2,148,386	2,170,477	2,192,116	2,213,286	2,233,972
12	Dausa	1,984,409	2,007,798	2,030,825	2,053,475	2,075,732	2,097,581	2,119,007	2,139,994	2,160,528	2,180,592
13	Dhaulpur	1,284,926	1,298,575	1,312,010	1,325,222	1,338,205	1,350,950	1,363,450	1,375,698	1,387,686	1,399,406
14	Dungarpur	1,887,465	1,913,531	1,939,270	1,964,666	1,989,700	2,014,351	2,038,602	2,062,433	2,085,824	2,108,758
15	Ganganagar	1,615,998	1,623,461	1,630,847	1,638,158	1,645,394	1,652,557	1,659,647	1,666,665	1,673,610	1,680,485
16	Hanumangarh	1,864,512	1,882,815	1,900,829	1,918,544	1,935,953	1,953,047	1,969,816	1,986,253	2,002,349	2,018,094
17	Jaipur	4,210,070	4,254,236	4,297,706	4,340,456	4,382,463	4,423,702	4,464,150	4,503,784	4,542,579	4,580,511
18	Jaisalmer	956,317	973,385	990,243	1,006,872	1,023,252	1,039,364	1,055,186	1,070,701	1,085,888	1,100,728
19	Jalore	2,451,479	2,484,995	2,518,018	2,550,519	2,582,471	2,613,847	2,644,619	2,674,761	2,704,244	2,733,042
20	Jhalawar	1,536,136	1,550,832	1,565,295	1,579,520	1,593,499	1,607,226	1,620,694	1,633,898	1,646,829	1,659,481
21	Jhunjhunu	1,892,996	1,902,980	1,912,843	1,922,586	1,932,208	1,941,711	1,951,094	1,960,357	1,969,501	1,978,524
22	Jodhpur	3,618,614	3,670,824	3,722,284	3,772,949	3,822,771	3,871,705	3,919,706	3,966,726	4,012,722	4,057,647
23	Karauli	1,675,850	1,694,155	1,712,173	1,729,893	1,747,304	1,764,397	1,781,160	1,797,584	1,813,656	1,829,368
24	Kota	856,162	859,544	862,901	866,233	869,541	872,827	876,090	879,331	882,551	885,750
25	Nagaur	3,443,787	3,475,784	3,507,276	3,538,249	3,568,690	3,598,586	3,627,922	3,656,686	3,684,864	3,712,441
26	Pali	1,864,536	1,876,212	1,887,725	1,899,075	1,910,261	1,921,281	1,932,134	1,942,819	1,953,333	1,963,677
27	Pratapgarh	1,137,517	1,152,163	1,166,588	1,180,781	1,194,731	1,208,427	1,221,858	1,235,013	1,247,882	1,260,452
28	Rajsamand	1,202,386	1,211,785	1,221,039	1,230,147	1,239,106	1,247,912	1,256,565	1,265,061	1,273,396	1,281,570
29	Sawai Madhopur	1,418,395	1,432,979	1,447,332	1,461,448	1,475,319	1,488,937	1,502,294	1,515,384	1,528,198	1,540,729
30	Sikar	2,496,976	2,515,500	2,533,744	2,551,705	2,569,378	2,586,760	2,603,844	2,620,628	2,637,106	2,653,274
31	Sirohi	1,098,101	1,109,391	1,120,502	1,131,429	1,142,167	1,152,709	1,163,049	1,173,182	1,183,101	1,192,802
32	Tonk	1,400,805	1,413,049	1,425,100	1,436,955	1,448,608	1,460,056	1,471,294	1,482,318	1,493,122	1,503,702
33	Udaipur	3,458,374	3,500,928	3,542,831	3,584,052	3,624,562	3,664,332	3,703,330	3,741,528	3,778,897	3,815,406
	Total State	**69,425,413**	**70,188,257**	**70,939,825**	**71,679,630**	**72,407,179**	**73,121,988**	**73,823,554**	**74,511,404**	**75,185,030**	**75,843,952**

S. No.	District	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
1	Ajmer	2,256,617	2,274,120	2,291,172	2,307,763	2,323,879	2,339,511	2,354,645	2,369,271	2,383,375	2,396,947
2	Alwar	4,375,186	4,408,631	4,441,221	4,472,934	4,503,750	4,533,646	4,562,601	4,590,591	4,617,596	4,643,591
3	Banswara	2,886,377	2,917,454	2,947,648	2,976,928	3,005,259	3,032,609	3,058,945	3,084,236	3,108,451	3,131,558
4	Baran	1,300,216	1,308,407	1,316,414	1,324,232	1,331,857	1,339,287	1,346,516	1,353,540	1,360,355	1,366,957
5	Barmer	4,546,609	4,602,233	4,656,261	4,708,622	4,759,248	4,808,068	4,855,015	4,900,022	4,943,026	4,983,960
6	Bharatpur	3,157,102	3,184,546	3,211,251	3,237,193	3,262,352	3,286,706	3,310,234	3,332,913	3,354,723	3,375,641
7	Bhilwara	2,772,389	2,794,034	2,815,120	2,835,633	2,855,558	2,874,881	2,893,587	2,911,661	2,929,089	2,945,855
8	Bikaner	2,514,500	2,538,357	2,561,554	2,584,069	2,605,880	2,626,967	2,647,309	2,666,884	2,685,672	2,703,651
9	Bundi	1,179,504	1,186,710	1,193,758	1,200,644	1,207,365	1,213,918	1,220,300	1,226,506	1,232,535	1,238,381
10	Chittaurgarh	1,728,759	1,740,336	1,751,639	1,762,663	1,773,402	1,783,849	1,793,998	1,803,842	1,813,376	1,822,592
11	Churu	2,254,158	2,273,829	2,292,969	2,311,562	2,329,592	2,347,045	2,363,904	2,380,153	2,395,779	2,410,764
12	Dausa	2,200,173	2,219,255	2,237,822	2,255,860	2,273,354	2,290,289	2,306,650	2,322,421	2,337,589	2,352,138
13	Dhaulpur	1,410,852	1,422,015	1,432,889	1,443,464	1,453,735	1,463,692	1,473,329	1,482,638	1,491,611	1,500,239
14	Dungarpur	2,131,215	2,153,175	2,174,621	2,195,535	2,215,897	2,235,688	2,254,890	2,273,487	2,291,457	2,308,784
15	Ganganagar	1,687,287	1,694,017	1,700,676	1,707,261	1,713,772	1,720,208	1,726,567	1,732,848	1,739,049	1,745,167
16	Hanumangarh	2,033,480	2,048,499	2,063,140	2,077,395	2,091,255	2,104,710	2,117,752	2,130,370	2,142,554	2,154,296
17	Jaipur	4,617,558	4,653,695	4,688,898	4,723,143	4,756,405	4,788,661	4,819,885	4,850,052	4,879,139	4,907,119
18	Jaisalmer	1,115,202	1,129,290	1,142,974	1,156,235	1,169,055	1,181,414	1,193,297	1,204,684	1,215,559	1,225,906
19	Jalore	2,761,128	2,788,477	2,815,060	2,840,852	2,865,828	2,889,960	2,913,225	2,935,596	2,957,048	2,977,557
20	Jhalawar	1,671,848	1,683,923	1,695,698	1,707,167	1,718,322	1,729,157	1,739,663	1,749,834	1,759,663	1,769,140
21	Jhunjhunu	1,987,425	1,996,205	2,004,861	2,013,392	2,021,797	2,030,073	2,038,218	2,046,230	2,054,105	2,061,840
22	Jodhpur	4,101,457	4,144,107	4,185,553	4,225,752	4,264,660	4,302,233	4,338,431	4,373,210	4,406,530	4,438,350
23	Karauli	1,844,708	1,859,666	1,874,231	1,888,392	1,902,140	1,915,463	1,928,351	1,940,793	1,952,778	1,964,295
24	Kota	888,928	892,086	895,224	898,341	901,437	904,512	907,566	910,597	913,605	916,588
25	Nagaur	3,739,403	3,765,737	3,791,428	3,816,461	3,840,821	3,864,494	3,887,463	3,909,714	3,931,230	3,951,994
26	Pali	1,973,846	1,983,840	1,993,655	2,003,290	2,012,741	2,022,004	2,031,078	2,039,957	2,048,638	2,057,116
27	Pratapgarh	1,272,715	1,284,658	1,296,272	1,307,545	1,318,468	1,329,030	1,339,219	1,349,027	1,358,443	1,367,456
28	Rajsamand	1,289,577	1,297,417	1,305,084	1,312,576	1,319,890	1,327,023	1,333,969	1,340,727	1,347,290	1,353,657
29	Sawai Madhopur	1,552,969	1,564,911	1,576,547	1,587,869	1,598,869	1,609,540	1,619,873	1,629,862	1,639,496	1,648,769
30	Sikar	2,669,126	2,684,657	2,699,861	2,714,733	2,729,266	2,743,455	2,757,291	2,770,768	2,783,879	2,796,615
31	Sirohi	1,202,277	1,211,521	1,220,529	1,229,293	1,237,809	1,246,070	1,254,069	1,261,801	1,269,259	1,276,438
32	Tonk	1,514,053	1,524,170	1,534,049	1,543,684	1,553,069	1,562,201	1,571,072	1,579,678	1,588,013	1,596,071
33	Udaipur	3,851,026	3,885,729	3,919,484	3,952,264	3,984,040	4,014,782	4,044,461	4,073,051	4,100,521	4,126,844
	Total State	**76,487,670**	**77,115,707**	**77,727,563**	**78,322,747**	**78,900,772**	**79,461,146**	**80,003,373**	**80,526,964**	**81,031,433**	**81,516,276**

S. No.	District	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
1	Ajmer	2,409,974	2,422,443	2,434,342	2,445,659	2,456,381	2,466,494	2,475,986	2,484,844	2,493,054	2,500,603
2	Alwar	4,668,554	4,692,462	4,715,291	4,737,018	4,757,617	4,777,066	4,795,338	4,812,409	4,828,252	4,842,843
3	Banswara	3,153,527	3,174,328	3,193,933	3,212,312	3,229,438	3,245,284	3,259,822	3,273,026	3,284,873	3,295,337
4	Baran	1,373,341	1,379,502	1,385,435	1,391,135	1,396,596	1,401,813	1,406,780	1,411,491	1,415,939	1,420,118
5	Barmer	5,022,765	5,059,378	5,093,742	5,125,799	5,155,493	5,182,772	5,207,584	5,229,880	5,249,614	5,266,740
6	Bharatpur	3,395,647	3,414,719	3,432,835	3,449,975	3,466,116	3,481,238	3,495,319	3,508,339	3,520,274	3,531,106
7	Bhilwara	2,961,944	2,977,340	2,992,029	3,005,995	3,019,221	3,031,693	3,043,392	3,054,305	3,064,412	3,073,699
8	Bikaner	2,720,803	2,737,107	2,752,541	2,767,088	2,780,727	2,793,438	2,805,203	2,816,002	2,825,817	2,834,629
9	Bundi	1,244,040	1,249,509	1,254,783	1,259,857	1,264,727	1,269,388	1,273,835	1,278,062	1,282,065	1,285,836
10	Chittaurgarh	1,831,484	1,840,043	1,848,263	1,856,136	1,863,655	1,870,810	1,877,594	1,883,999	1,890,014	1,895,632
11	Churu	2,425,094	2,438,753	2,451,726	2,463,997	2,475,552	2,486,374	2,496,449	2,505,760	2,514,294	2,522,035
12	Dausa	2,366,053	2,379,319	2,391,922	2,403,847	2,415,079	2,425,603	2,435,404	2,444,467	2,452,778	2,460,323
13	Dhaulpur	1,508,515	1,516,432	1,523,980	1,531,152	1,537,940	1,544,335	1,550,329	1,555,914	1,561,080	1,565,819
14	Dungarpur	2,325,451	2,341,440	2,356,730	2,371,308	2,385,153	2,398,250	2,410,580	2,422,130	2,432,878	2,442,811
15	Ganganagar	1,751,199	1,757,143	1,762,996	1,768,752	1,774,410	1,779,963	1,785,407	1,790,737	1,795,946	1,801,030
16	Hanumangarh	2,165,585	2,176,410	2,186,762	2,196,630	2,206,004	2,214,872	2,223,224	2,231,048	2,238,333	2,245,066
17	Jaipur	4,933,968	4,959,659	4,984,167	5,007,465	5,029,527	5,050,327	5,069,837	5,088,030	5,104,878	5,120,353
18	Jaisalmer	1,235,707	1,244,948	1,253,612	1,261,685	1,269,153	1,276,001	1,282,216	1,287,786	1,292,699	1,296,943
19	Jalore	2,997,098	3,015,647	3,033,180	3,049,674	3,065,106	3,079,452	3,092,690	3,104,799	3,115,756	3,125,541
20	Jhalawar	1,778,259	1,787,011	1,795,388	1,803,383	1,810,986	1,818,188	1,824,982	1,831,358	1,837,306	1,842,818
21	Jhunjhunu	2,069,431	2,076,874	2,084,165	2,091,298	2,098,269	2,105,072	2,111,699	2,118,145	2,124,403	2,130,464
22	Jodhpur	4,468,629	4,497,329	4,524,410	4,549,834	4,573,564	4,595,563	4,615,795	4,634,226	4,650,821	4,665,546
23	Karauli	1,975,333	1,985,883	1,995,931	2,005,468	2,014,482	2,022,963	2,030,897	2,038,275	2,045,085	2,051,315
24	Kota	919,547	922,478	925,382	928,255	931,097	933,904	936,675	939,407	942,097	944,742
25	Nagaur	3,971,990	3,991,202	4,009,611	4,027,200	4,043,950	4,059,843	4,074,859	4,088,980	4,102,184	4,114,451
26	Pali	2,065,387	2,073,446	2,081,286	2,088,903	2,096,291	2,103,441	2,110,349	2,117,005	2,123,402	2,129,532
27	Pratapgarh	1,376,056	1,384,234	1,391,980	1,399,283	1,406,135	1,412,524	1,418,442	1,423,880	1,428,827	1,433,275
28	Rajsamand	1,359,821	1,365,780	1,371,527	1,377,058	1,382,368	1,387,451	1,392,303	1,396,917	1,401,287	1,405,406
29	Sawai Madhopur	1,657,672	1,666,197	1,674,335	1,682,078	1,689,417	1,696,343	1,702,847	1,708,922	1,714,556	1,719,741
30	Sikar	2,808,969	2,820,932	2,832,494	2,843,646	2,854,379	2,864,681	2,874,542	2,883,950	2,892,893	2,901,359
31	Sirohi	1,283,330	1,289,929	1,296,229	1,302,223	1,307,904	1,313,266	1,318,302	1,323,004	1,327,366	1,331,380
32	Tonk	1,603,845	1,611,329	1,618,518	1,625,404	1,631,980	1,638,240	1,644,176	1,649,780	1,655,046	1,659,964
33	Udaipur	4,151,992	4,175,936	4,198,649	4,220,103	4,240,271	4,259,124	4,276,636	4,292,780	4,307,528	4,320,853
	Total State	**81,981,010**	**82,425,142**	**82,848,174**	**83,249,620**	**83,628,988**	**83,985,776**	**84,319,493**	**84,629,657**	**84,915,757**	**85,177,310**

Table B-3.7 District wise Urban Present and Projected Population

S. No.	District	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1	Ajmer	1,035,410	1,049,511	1,064,460	1,079,336	1,094,138	1,108,862	1,123,503	1,138,060	1,152,526	1,166,900	1,181,178
2	Alwar	654,451	672,630	695,030	717,566	740,224	762,988	785,840	808,765	831,745	854,764	877,803
3	Banswara	127,621	125,596	126,169	126,702	127,198	127,659	128,088	128,490	128,865	129,220	129,556
4	Baran	254,214	261,270	269,584	277,922	286,276	294,643	303,015	311,389	319,757	328,113	336,453
5	Barmer	181,837	179,802	181,544	183,231	184,865	186,450	187,988	189,483	190,939	192,360	193,751
6	Bharatpur	495,099	499,617	506,784	513,921	521,025	528,097	535,136	542,140	549,113	556,051	562,956
7	Bhilwara	512,654	518,962	527,641	536,306	544,952	553,581	562,187	570,769	579,326	587,854	596,352
8	Bikaner	800,384	814,817	830,590	846,361	862,124	877,871	893,595	909,288	924,942	940,551	956,106
9	Bundi	222,701	225,306	229,046	232,777	236,496	240,204	243,899	247,581	251,248	254,899	258,535
10	Chittaurgarh	285,264	287,458	291,311	295,150	298,973	302,781	306,574	310,350	314,112	317,857	321,588
11	Churu	576,235	581,989	589,224	596,402	603,525	610,589	617,599	624,550	631,446	638,286	645,071
12	Dausa	201,793	205,973	212,315	218,704	225,135	231,608	238,114	244,653	251,218	257,806	264,413
13	Dhaulpur	247,450	253,306	260,426	267,580	274,764	281,973	289,201	296,445	303,700	310,961	318,223
14	Dungarpur	88,743	93,382	94,890	96,378	97,843	99,287	100,705	102,098	103,467	104,809	106,125
15	Ganganagar	535,432	540,810	547,692	554,523	561,303	568,030	574,706	581,331	587,902	594,422	600,889
16	Hanumangarh	350,464	352,042	355,438	358,802	362,137	365,444	368,724	371,979	375,211	378,420	381,608
17	Jaipur	3,471,847	3,566,826	3,661,891	3,757,396	3,853,268	3,949,442	4,045,845	4,142,405	4,239,050	4,335,705	4,432,298
18	Jaisalmer	89,025	88,869	89,516	90,126	90,697	91,231	91,729	92,193	92,625	93,025	93,394
19	Jalore	151,755	152,418	155,708	159,015	162,335	165,670	169,018	172,380	175,755	179,143	182,542
20	Jhalawar	229,291	233,340	239,041	244,755	250,480	256,212	261,950	267,688	273,426	279,158	284,885
21	Jhunjhunu	489,079	495,307	503,489	511,624	519,713	527,753	535,741	543,677	551,559	559,387	567,158
22	Jodhpur	1,264,614	1,291,964	1,321,447	1,351,021	1,380,670	1,410,376	1,440,121	1,469,886	1,499,655	1,529,408	1,559,129
23	Karauli	218,105	220,243	224,136	228,028	231,918	235,807	239,691	243,572	247,448	251,317	255,181
24	Kota	1,176,604	1,213,645	1,250,132	1,286,684	1,323,276	1,359,881	1,396,474	1,433,028	1,469,516	1,505,913	1,542,191
25	Nagaur	637,204	648,816	663,956	679,118	694,294	709,478	724,661	739,835	754,994	770,128	785,231
26	Pali	460,006	463,657	469,202	474,715	480,195	485,642	491,059	496,441	501,793	507,111	512,399
27	Pratapgarh	71,807	70,784	70,982	71,164	71,330	71,482	71,621	71,749	71,868	71,980	72,085
28	Rajsamand	183,820	187,659	192,862	198,069	203,279	208,488	213,694	218,893	224,083	229,262	234,426
29	Sawai Madhopur	266,467	269,894	274,699	279,501	284,297	289,087	293,868	298,639	303,400	308,147	312,880
30	Sikar	633,906	647,095	662,716	678,329	693,926	709,499	725,038	740,538	755,990	771,385	786,716
31	Sirohi	208,654	213,283	219,003	224,746	230,508	236,284	242,072	247,869	253,671	259,472	265,271
32	Tonk	317,723	322,248	328,119	333,983	339,837	345,677	351,504	357,313	363,104	368,874	374,621
33	Udaipur	608,426	616,982	628,732	640,488	652,243	663,994	675,738	687,469	699,183	710,876	722,545
	Total State	**17,048,085**	**17,365,501**	**17,737,775**	**18,110,423**	**18,483,244**	**18,856,070**	**19,228,698**	**19,600,946**	**19,972,637**	**20,343,564**	**20,713,559**

S. No.	District	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	Ajmer	1,195,357	1,209,435	1,223,406	1,237,269	1,251,021	1,264,658	1,278,179	1,291,578	1,304,856	1,318,008
2	Alwar	900,846	923,876	946,873	969,822	992,703	1,015,499	1,038,193	1,060,765	1,083,199	1,105,474
3	Banswara	129,878	130,191	130,496	130,799	131,104	131,415	131,736	132,071	132,426	132,804
4	Baran	344,772	353,061	361,318	369,535	377,706	385,827	393,892	401,895	409,830	417,693
5	Barmer	195,116	196,460	197,789	199,106	200,419	201,733	203,053	204,384	205,736	207,111
6	Bharatpur	569,826	576,663	583,467	590,236	596,972	603,674	610,344	616,981	623,584	630,154
7	Bhilwara	604,816	613,246	621,639	629,992	638,304	646,573	654,797	662,972	671,098	679,172
8	Bikaner	971,601	987,029	1,002,381	1,017,652	1,032,832	1,047,916	1,062,894	1,077,762	1,092,511	1,107,134
9	Bundi	262,153	265,753	269,335	272,897	276,438	279,959	283,457	286,933	290,384	293,812
10	Chittaurgarh	325,302	329,000	332,682	336,349	340,000	343,636	347,255	350,859	354,446	358,018
11	Churu	651,800	658,475	665,096	671,664	678,180	684,645	691,059	697,423	703,738	710,004
12	Dausa	271,035	277,667	284,304	290,942	297,577	304,203	310,817	317,413	323,988	330,535
13	Dhaulpur	325,480	332,728	339,963	347,177	354,368	361,529	368,655	375,742	382,784	389,776
14	Dungarpur	107,412	108,671	109,902	111,102	112,272	113,412	114,519	115,595	116,638	117,647
15	Ganganagar	607,303	613,664	619,973	626,230	632,434	638,585	644,684	650,730	656,724	662,665
16	Hanumangarh	384,777	387,927	391,062	394,181	397,288	400,383	403,468	406,544	409,613	412,678
17	Jaipur	4,528,754	4,624,996	4,720,948	4,816,534	4,911,677	5,006,300	5,100,324	5,193,672	5,286,266	5,378,026
18	Jaisalmer	93,737	94,054	94,347	94,619	94,872	95,108	95,331	95,543	95,747	95,944
19	Jalore	185,954	189,377	192,811	196,256	199,711	203,177	206,652	210,136	213,628	217,128
20	Jhalawar	290,601	296,305	301,991	307,660	313,306	318,928	324,522	330,086	335,615	341,108
21	Jhunjhunu	574,869	582,523	590,116	597,646	605,114	612,518	619,857	627,129	634,333	641,469
22	Jodhpur	1,588,796	1,618,394	1,647,901	1,677,300	1,706,573	1,735,700	1,764,661	1,793,437	1,822,011	1,850,361
23	Karauli	259,036	262,885	266,723	270,553	274,371	278,179	281,976	285,758	289,528	293,283
24	Kota	1,578,326	1,614,289	1,650,053	1,685,593	1,720,882	1,755,895	1,790,603	1,824,981	1,859,001	1,892,640
25	Nagaur	800,294	815,310	830,272	845,170	859,999	874,750	889,414	903,985	918,455	932,817
26	Pali	517,655	522,878	528,071	533,233	538,363	543,464	548,533	553,572	558,582	563,560
27	Pratapgarh	72,187	72,286	72,384	72,484	72,588	72,696	72,812	72,937	73,072	73,220
28	Rajsamand	239,572	244,699	249,803	254,881	259,932	264,952	269,937	274,887	279,797	284,668
29	Sawai Madhopur	317,598	322,299	326,980	331,643	336,284	340,902	345,496	350,064	354,606	359,119
30	Sikar	801,974	817,152	832,243	847,237	862,128	876,908	891,570	906,106	920,509	934,770
31	Sirohi	271,064	276,846	282,614	288,364	294,093	299,795	305,470	311,111	316,715	322,278
32	Tonk	380,343	386,039	391,706	397,343	402,946	408,515	414,049	419,544	424,999	430,410
33	Udaipur	734,186	745,793	757,363	768,893	780,377	791,812	803,194	814,519	825,782	836,980
	Total State	**21,082,420**	**21,449,971**	**21,816,012**	**22,180,362**	**22,542,834**	**22,903,246**	**23,261,403**	**23,617,114**	**23,970,201**	**24,320,466**

S. No.	District	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
1	Ajmer	1,331,030	1,343,921	1,356,677	1,369,295	1,381,773	1,394,106	1,406,293	1,418,329	1,430,212	1,441,938
2	Alwar	1,127,574	1,149,480	1,171,176	1,192,641	1,213,858	1,234,810	1,255,479	1,275,846	1,295,895	1,315,607
3	Banswara	133,209	133,646	134,121	134,635	135,196	135,806	136,470	137,192	137,976	138,826
4	Baran	425,476	433,175	440,785	448,299	455,713	463,020	470,217	477,296	484,254	491,085
5	Barmer	208,517	209,960	211,446	212,982	214,574	216,228	217,951	219,748	221,625	223,589
6	Bharatpur	636,692	643,197	649,669	656,109	662,517	668,891	675,233	681,542	687,818	694,061
7	Bhilwara	687,191	695,155	703,059	710,903	718,685	726,402	734,050	741,629	749,137	756,569
8	Bikaner	1,121,623	1,135,973	1,150,173	1,164,220	1,178,102	1,191,817	1,205,353	1,218,705	1,231,864	1,244,825
9	Bundi	297,214	300,591	303,940	307,262	310,555	313,819	317,054	320,257	323,429	326,567
10	Chittaurgarh	361,573	365,114	368,638	372,145	375,637	379,111	382,569	386,010	389,434	392,840
11	Churu	716,224	722,398	728,524	734,607	740,644	746,639	752,590	758,498	764,364	770,189
12	Dausa	337,051	343,530	349,969	356,362	362,704	368,991	375,217	381,379	387,470	393,488
13	Dhaulpur	396,713	403,590	410,401	417,142	423,806	430,390	436,888	443,295	449,605	455,816
14	Dungarpur	118,623	119,563	120,470	121,341	122,176	122,975	123,737	124,462	125,150	125,799
15	Ganganagar	668,554	674,390	680,174	685,904	691,583	697,208	702,780	708,298	713,764	719,175
16	Hanumangarh	415,737	418,794	421,849	424,905	427,962	431,021	434,085	437,154	440,228	443,311
17	Jaipur	5,468,875	5,558,735	5,647,525	5,735,169	5,821,588	5,906,705	5,990,441	6,072,719	6,153,462	6,232,595
18	Jaisalmer	96,139	96,334	96,532	96,736	96,949	97,172	97,413	97,670	97,949	98,251
19	Jalore	220,636	224,151	227,672	231,199	234,732	238,268	241,809	245,352	248,898	252,445
20	Jhalawar	346,562	351,972	357,338	362,654	367,920	373,131	378,286	383,379	388,410	393,375
21	Jhunjhunu	648,534	655,529	662,452	669,301	676,076	682,775	689,398	695,943	702,408	708,793
22	Jodhpur	1,878,469	1,906,315	1,933,881	1,961,145	1,988,090	2,014,695	2,040,940	2,066,808	2,092,277	2,117,329
23	Karauli	297,022	300,746	304,453	308,143	311,814	315,465	319,096	322,705	326,293	329,857
24	Kota	1,925,869	1,958,663	1,990,996	2,022,841	2,054,175	2,084,969	2,115,200	2,144,843	2,173,872	2,202,261
25	Nagaur	947,062	961,183	975,172	989,022	1,002,726	1,016,274	1,029,661	1,042,878	1,055,918	1,068,773
26	Pali	568,509	573,428	578,318	583,178	588,007	592,808	597,578	602,319	607,031	611,711
27	Pratapgarh	73,384	73,563	73,762	73,981	74,222	74,487	74,778	75,097	75,444	75,824
28	Rajsamand	289,492	294,271	299,000	303,678	308,300	312,867	317,373	321,818	326,199	330,511
29	Sawai Madhopur	363,601	368,053	372,473	376,857	381,206	385,518	389,791	394,024	398,215	402,363
30	Sikar	948,883	962,841	976,636	990,260	1,003,707	1,016,968	1,030,040	1,042,911	1,055,577	1,068,029
31	Sirohi	327,797	333,267	338,686	344,049	349,352	354,591	359,764	364,865	369,892	374,840
32	Tonk	435,779	441,101	446,375	451,600	456,773	461,893	466,956	471,962	476,909	481,794
33	Udaipur	848,108	859,162	870,138	881,032	891,840	902,556	913,178	923,700	934,118	944,428
	Total State	**24,667,722**	**25,011,791**	**25,352,480**	**25,689,597**	**26,022,962**	**26,352,376**	**26,677,668**	**26,998,633**	**27,315,097**	**27,626,864**

S. No.	District	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
1	Ajmer	1,453,504	1,464,905	1,476,139	1,487,201	1,498,089	1,508,796	1,519,320	1,529,656	1,539,800	1,549,746
2	Alwar	1,334,967	1,353,955	1,372,555	1,390,752	1,408,527	1,425,864	1,442,747	1,459,161	1,475,088	1,490,515
3	Banswara	139,747	140,742	141,816	142,970	144,210	145,538	146,958	148,472	150,084	151,796
4	Baran	497,782	504,344	510,761	517,032	523,150	529,109	534,907	540,538	545,997	551,279
5	Barmer	225,645	227,799	230,056	232,422	234,900	237,497	240,216	243,063	246,039	249,150
6	Bharatpur	700,269	706,444	712,583	718,688	724,756	730,787	736,779	742,733	748,647	754,519
7	Bhilwara	763,925	771,201	778,395	785,505	792,528	799,461	806,302	813,048	819,695	826,241
8	Bikaner	1,257,579	1,270,118	1,282,436	1,294,525	1,306,377	1,317,985	1,329,340	1,340,437	1,351,266	1,361,821
9	Bundi	329,672	332,743	335,777	338,776	341,738	344,662	347,547	350,392	353,195	355,956
10	Chittaurgarh	396,229	399,600	402,953	406,287	409,602	412,897	416,172	419,427	422,660	425,872
11	Churu	775,973	781,715	787,415	793,075	798,693	804,269	809,804	815,296	820,744	826,149
12	Dausa	399,425	405,279	411,044	416,716	422,290	427,761	433,126	438,379	443,516	448,533
13	Dhaulpur	461,919	467,911	473,787	479,543	485,172	490,672	496,035	501,259	506,337	511,267
14	Dungarpur	126,409	126,983	127,516	128,010	128,464	128,878	129,253	129,585	129,878	130,130
15	Ganganagar	724,532	729,835	735,081	740,273	745,408	750,487	755,508	760,470	765,372	770,214
16	Hanumangarh	446,401	449,500	452,609	455,730	458,861	462,005	465,161	468,330	471,514	474,710
17	Jaipur	6,310,040	6,385,722	6,459,566	6,531,499	6,601,447	6,669,337	6,735,098	6,798,660	6,859,951	6,918,904
18	Jaisalmer	98,579	98,938	99,328	99,753	100,216	100,719	101,264	101,854	102,491	103,175
19	Jalore	255,994	259,540	263,087	266,632	270,172	273,709	277,240	280,765	284,283	287,791
20	Jhalawar	398,271	403,095	407,845	412,517	417,109	421,618	426,042	430,377	434,619	438,768
21	Jhunjhunu	715,097	721,318	727,454	733,505	739,468	745,343	751,128	756,820	762,420	767,924
22	Jodhpur	2,141,944	2,166,102	2,189,786	2,212,973	2,235,647	2,257,788	2,279,376	2,300,393	2,320,820	2,340,638
23	Karauli	333,397	336,911	340,400	343,862	347,294	350,698	354,071	357,412	360,720	363,994
24	Kota	2,229,988	2,257,026	2,283,351	2,308,940	2,333,769	2,357,813	2,381,050	2,403,457	2,425,010	2,445,688
25	Nagaur	1,081,437	1,093,901	1,106,158	1,118,201	1,130,023	1,141,615	1,152,972	1,164,085	1,174,947	1,185,552
26	Pali	616,363	620,983	625,573	630,131	634,657	639,153	643,615	648,044	652,440	656,801
27	Pratapgarh	76,236	76,683	77,166	77,687	78,246	78,845	79,487	80,172	80,901	81,676
28	Rajsamand	334,756	338,927	343,025	347,046	350,988	354,848	358,626	362,316	365,919	369,430
29	Sawai Madhopur	406,466	410,523	414,532	418,491	422,399	426,255	430,056	433,800	437,487	441,114
30	Sikar	1,080,262	1,092,268	1,104,041	1,115,572	1,126,856	1,137,884	1,148,652	1,159,152	1,169,377	1,179,320
31	Sirohi	379,706	384,487	389,178	393,776	398,277	402,678	406,975	411,166	415,245	419,210
32	Tonk	486,617	491,374	496,063	500,683	505,232	509,707	514,108	518,430	522,673	526,834
33	Udaipur	954,626	964,705	974,665	984,496	994,196	1,003,761	1,013,186	1,022,464	1,031,593	1,040,566
	Total State	**27,933,757**	**28,235,577**	**28,532,141**	**28,823,269**	**29,108,761**	**29,388,439**	**29,662,121**	**29,929,613**	**30,190,728**	**30,445,283**

S. No.	District	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
1	Ajmer	1,559,491	1,569,028	1,578,354	1,587,462	1,596,346	1,605,003	1,613,424	1,621,604	1,629,536	1,637,213
2	Alwar	1,505,426	1,519,806	1,533,640	1,546,914	1,559,616	1,571,728	1,583,242	1,594,141	1,604,415	1,614,051
3	Banswara	153,611	155,531	157,558	159,694	161,939	164,296	166,766	169,350	172,048	174,860
4	Baran	556,380	561,295	566,019	570,549	574,880	579,008	582,928	586,636	590,129	593,402
5	Barmer	252,398	255,787	259,317	262,992	266,814	270,783	274,900	279,166	283,579	288,140
6	Bharatpur	760,349	766,133	771,872	777,562	783,203	788,791	794,325	799,800	805,218	810,570
7	Bhilwara	832,683	839,020	845,246	851,358	857,354	863,230	868,984	874,609	880,106	885,467
8	Bikaner	1,372,092	1,382,072	1,391,755	1,401,131	1,410,193	1,418,933	1,427,342	1,435,414	1,443,138	1,450,508
9	Bundi	358,674	361,348	363,976	366,558	369,093	371,578	374,013	376,397	378,728	381,005
10	Chittaurgarh	429,060	432,226	435,368	438,484	441,574	444,638	447,674	450,680	453,658	456,603
11	Churu	831,508	836,821	842,085	847,301	852,464	857,575	862,630	867,629	872,566	877,440
12	Dausa	453,426	458,191	462,822	467,316	471,669	475,878	479,938	483,847	487,599	491,192
13	Dhaulpur	516,044	520,661	525,117	529,406	533,523	537,466	541,229	544,808	548,201	551,404
14	Dungarpur	130,340	130,507	130,634	130,718	130,761	130,760	130,718	130,631	130,504	130,332
15	Ganganagar	774,995	779,713	784,366	788,956	793,477	797,931	802,314	806,626	810,864	815,026
16	Hanumangarh	477,921	481,146	484,385	487,637	490,903	494,183	497,474	500,778	504,093	507,419
17	Jaipur	6,975,451	7,029,525	7,081,060	7,129,995	7,176,264	7,219,807	7,260,564	7,298,476	7,333,487	7,365,542
18	Jaisalmer	103,912	104,699	105,542	106,439	107,392	108,403	109,472	110,600	111,786	113,032
19	Jalore	291,290	294,777	298,251	301,711	305,154	308,581	311,989	315,376	318,741	322,081
20	Jhalawar	442,820	446,773	450,623	454,368	458,005	461,533	464,948	468,246	471,427	474,487
21	Jhunjhunu	773,331	778,640	783,848	788,954	793,955	798,848	803,633	808,306	812,865	817,308
22	Jodhpur	2,359,829	2,378,373	2,396,253	2,413,451	2,429,949	2,445,728	2,460,771	2,475,060	2,488,579	2,501,310
23	Karauli	367,233	370,435	373,599	376,724	379,808	382,849	385,848	388,801	391,707	394,565
24	Kota	2,465,466	2,484,325	2,502,241	2,519,195	2,535,164	2,550,128	2,564,067	2,576,961	2,588,790	2,599,535
25	Nagaur	1,195,892	1,205,959	1,215,747	1,225,249	1,234,459	1,243,368	1,251,970	1,260,257	1,268,225	1,275,865
26	Pali	661,127	665,416	669,670	673,885	678,060	682,196	686,289	690,340	694,346	698,306
27	Pratapgarh	82,498	83,367	84,284	85,251	86,267	87,335	88,455	89,625	90,849	92,124
28	Rajsamand	372,849	376,172	379,398	382,525	385,549	388,470	391,284	393,990	396,586	399,069
29	Sawai Madhopur	444,679	448,182	451,619	454,990	458,291	461,523	464,682	467,765	470,773	473,702
30	Sikar	1,188,974	1,198,333	1,207,391	1,216,140	1,224,573	1,232,684	1,240,467	1,247,914	1,255,020	1,261,777
31	Sirohi	423,058	426,786	430,389	433,865	437,211	440,423	443,497	446,433	449,226	451,873
32	Tonk	530,911	534,903	538,806	542,619	546,340	549,965	553,493	556,922	560,248	563,470
33	Udaipur	1,049,378	1,058,025	1,066,501	1,074,802	1,082,920	1,090,853	1,098,593	1,106,135	1,113,474	1,120,604
	Total State	**30,693,096**	**30,933,975**	**31,167,736**	**31,394,201**	**31,613,170**	**31,824,475**	**32,027,923**	**32,223,323**	**32,410,511**	**32,589,282**

Table B-3.8 Planning Stage wise Projected Population

S. No.	District	2010			2020			2040			2060		
		Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
1	Ajmer	2,583,052	1,547,642	1,035,410	2,986,274	1,805,096	1,181,178	3,680,614	2,238,676	1,441,938	4,137,816	2,500,603	1,637,213
2	Alwar	3,674,179	3,019,728	654,451	4,390,499	3,512,696	877,803	5,656,516	4,340,909	1,315,607	6,456,894	4,842,843	1,614,051
3	Banswara	1,797,485	1,669,864	127,621	2,221,147	2,091,591	129,556	2,993,278	2,854,452	138,826	3,470,197	3,295,337	174,860
4	Baran	1,222,755	968,541	254,214	1,427,620	1,091,167	336,453	1,782,928	1,291,843	491,085	2,013,520	1,420,118	593,402
5	Barmer	2,603,751	2,421,914	181,837	3,334,027	3,140,276	193,751	4,713,050	4,489,461	223,589	5,554,880	5,266,740	288,140
6	Bharatpur	2,548,462	2,053,363	495,099	3,011,761	2,448,805	562,956	3,823,000	3,128,939	694,061	4,341,676	3,531,106	810,570
7	Bhilwara	2,408,523	1,895,869	512,654	2,810,292	2,213,940	596,352	3,506,769	2,750,200	756,569	3,959,166	3,073,699	885,467
8	Bikaner	2,363,937	1,563,553	800,384	2,856,227	1,900,121	956,106	3,734,829	2,490,004	1,244,825	4,285,137	2,834,629	1,450,508
9	Bundi	1,110,906	888,205	222,701	1,254,649	996,114	258,535	1,498,710	1,172,143	326,567	1,666,841	1,285,836	381,005
10	Chittaurgarh	1,544,338	1,259,074	285,264	1,753,547	1,431,959	321,588	2,109,754	1,716,914	392,840	2,352,235	1,895,632	456,603
11	Churu	2,039,547	1,463,312	576,235	2,391,581	1,746,510	645,071	3,004,161	2,233,972	770,189	3,399,475	2,522,035	877,440
12	Dausa	1,634,409	1,432,616	201,793	1,972,109	1,707,696	264,413	2,574,080	2,180,592	393,488	2,951,515	2,460,323	491,192
13	Dhaulpur	1,206,516	959,066	247,450	1,440,993	1,122,770	318,223	1,855,222	1,399,406	455,816	2,117,223	1,565,819	551,404
14	Dungarpur	1,388,552	1,299,809	88,743	1,690,958	1,584,833	106,125	2,234,557	2,108,758	125,799	2,573,143	2,442,811	130,332
15	Ganganagar	1,969,168	1,433,736	535,432	2,129,282	1,528,393	600,889	2,399,660	1,680,485	719,175	2,616,056	1,801,030	815,026
16	Hanumangarh	1,774,692	1,424,228	350,464	2,028,182	1,646,574	381,608	2,461,405	2,018,094	443,311	2,752,485	2,245,066	507,419
17	Jaipur	6,626,178	3,154,331	3,471,847	8,117,467	3,685,169	4,432,298	10,813,106	4,580,511	6,232,595	12,485,895	5,120,353	7,365,542
18	Jaisalmer	669,919	580,894	89,025	853,681	760,287	93,394	1,198,979	1,100,728	98,251	1,409,975	1,296,943	113,032
19	Jalore	1,828,730	1,676,975	151,755	2,240,697	2,058,155	182,542	2,985,487	2,733,042	252,445	3,447,622	3,125,541	322,081
20	Jhalawar	1,411,129	1,181,838	229,291	1,645,931	1,361,046	284,885	2,052,856	1,659,481	393,375	2,317,305	1,842,818	474,487
21	Jhunjhunu	2,137,045	1,647,966	489,079	2,342,067	1,774,909	567,158	2,687,317	1,978,524	708,793	2,947,772	2,130,464	817,308
22	Jodhpur	3,687,165	2,422,551	1,264,614	4,567,254	3,008,125	1,559,129	6,174,976	4,057,647	2,117,329	7,166,856	4,665,546	2,501,310
23	Karauli	1,458,248	1,240,143	218,105	1,713,782	1,458,601	255,181	2,159,225	1,829,368	329,857	2,445,880	2,051,315	394,565
24	Kota	1,951,014	774,410	1,176,604	2,359,130	816,939	1,542,191	3,088,011	885,750	2,202,261	3,544,277	944,742	2,599,535
25	Nagaur	3,307,743	2,670,539	637,204	3,847,568	3,062,337	785,231	4,781,214	3,712,441	1,068,773	5,390,316	4,114,451	1,275,865
26	Pali	2,037,573	1,577,567	460,006	2,237,950	1,725,551	512,399	2,575,388	1,963,677	611,711	2,827,838	2,129,532	698,306
27	Pratapgarh	867,848	796,041	71,807	1,037,109	965,024	72,085	1,336,276	1,260,452	75,824	1,525,399	1,433,275	92,124
28	Rajsamand	1,156,597	972,777	183,820	1,324,594	1,090,168	234,426	1,612,081	1,281,570	330,511	1,804,475	1,405,406	399,069
29	Sawai Madhopur	1,335,551	1,069,084	266,467	1,557,840	1,244,960	312,880	1,943,092	1,540,729	402,363	2,193,443	1,719,741	473,702
30	Sikar	2,677,333	2,043,427	633,906	3,062,563	2,275,847	786,716	3,721,303	2,653,274	1,068,029	4,163,136	2,901,359	1,261,777
31	Sirohi	1,036,346	827,692	208,654	1,229,113	963,842	265,271	1,567,642	1,192,802	374,840	1,783,253	1,331,380	451,873
32	Tonk	1,421,326	1,103,603	317,723	1,629,331	1,254,710	374,621	1,985,496	1,503,702	481,794	2,223,434	1,659,964	563,470
33	Udaipur	3,068,420	2,459,994	608,426	3,678,518	2,955,973	722,545	4,759,834	3,815,406	944,428	5,441,457	4,320,853	1,120,604
	Total State	**68,548,437**	**51,500,352**	**17,048,085**	**81,143,743**	**60,430,184**	**20,713,559**	**103,470,816**	**75,843,952**	**27,626,864**	**117,766,592**	**85,177,310**	**32,589,282**

Table B-3.9 Projected Growth Rate

S. No.	District	2010-2020			2020-2040			2040-2060		
		Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
1	Ajmer	15.61%	16.64%	14.08%	23.25%	24.02%	22.08%	12.42%	11.70%	13.54%
2	Alwar	19.50%	16.32%	34.13%	28.84%	23.58%	49.87%	14.15%	11.56%	22.68%
3	Banswara	23.57%	25.26%	1.52%	34.76%	36.47%	7.16%	15.93%	15.45%	25.96%
4	Baran	16.75%	12.66%	32.35%	24.89%	18.39%	45.96%	12.93%	9.93%	20.83%
5	Barmer	28.05%	29.66%	6.55%	41.36%	42.96%	15.40%	17.86%	17.31%	28.87%
6	Bharatpur	18.18%	19.26%	13.71%	26.94%	27.77%	23.29%	13.57%	12.85%	16.79%
7	Bhilwara	16.68%	16.78%	16.33%	24.78%	24.22%	26.87%	12.90%	11.76%	17.04%
8	Bikaner	20.83%	21.53%	19.46%	30.76%	31.04%	30.20%	14.73%	13.84%	16.52%
9	Bundi	12.94%	12.15%	16.09%	19.45%	17.67%	26.31%	11.22%	9.70%	16.67%
10	Chittaurgarh	13.55%	13.73%	12.73%	20.31%	19.90%	22.16%	11.49%	10.41%	16.23%
11	Churu	17.26%	19.35%	11.95%	25.61%	27.91%	19.40%	13.16%	12.89%	13.93%
12	Dausa	20.66%	19.20%	31.03%	30.52%	27.69%	48.82%	14.66%	12.83%	24.83%
13	Dhaulpur	19.43%	17.07%	28.60%	28.75%	24.64%	43.24%	14.12%	11.89%	20.97%
14	Dungarpur	21.78%	21.93%	19.59%	32.15%	33.06%	18.54%	15.15%	15.84%	3.60%
15	Ganganagar	8.13%	6.60%	12.23%	12.70%	9.95%	19.69%	9.02%	7.17%	13.33%
16	Hanumangarh	14.28%	15.61%	8.89%	21.36%	22.56%	16.17%	11.83%	11.25%	14.46%
17	Jaipur	22.51%	16.83%	27.66%	33.21%	24.30%	40.62%	15.47%	11.79%	18.18%
18	Jaisalmer	27.43%	30.88%	4.91%	40.45%	44.78%	5.20%	17.60%	17.83%	15.04%
19	Jalore	22.53%	22.73%	20.29%	33.24%	32.79%	38.29%	15.48%	14.36%	27.58%
20	Jhalawar	16.64%	15.16%	24.25%	24.72%	21.93%	38.08%	12.88%	11.05%	20.62%
21	Jhunjhunu	9.59%	7.70%	15.96%	14.74%	11.47%	24.97%	9.69%	7.68%	15.31%
22	Jodhpur	23.87%	24.17%	23.29%	35.20%	34.89%	35.80%	16.06%	14.98%	18.14%
23	Karauli	17.52%	17.62%	17.00%	25.99%	25.42%	29.26%	13.28%	12.13%	19.62%
24	Kota	20.92%	5.49%	31.07%	30.90%	8.42%	42.80%	14.78%	6.66%	18.04%
25	Nagaur	16.32%	14.67%	23.23%	24.27%	21.23%	36.11%	12.74%	10.83%	19.38%
26	Pali	9.83%	9.38%	11.39%	15.08%	13.80%	19.38%	9.80%	8.45%	14.16%
27	Pratapgarh	19.50%	21.23%	0.39%	28.85%	30.61%	5.19%	14.15%	13.71%	21.50%
28	Rajsamand	14.53%	12.07%	27.53%	21.70%	17.56%	40.99%	11.93%	9.66%	20.74%
29	Sawai Madhopur	16.64%	16.45%	17.42%	24.73%	23.76%	28.60%	12.88%	11.62%	17.73%
30	Sikar	14.39%	11.37%	24.11%	21.51%	16.58%	35.76%	11.87%	9.35%	18.14%
31	Sirohi	18.60%	16.45%	27.13%	27.54%	23.75%	41.30%	13.75%	11.62%	20.55%
32	Tonk	14.63%	13.69%	17.91%	21.86%	19.84%	28.61%	11.98%	10.39%	16.95%
33	Udaipur	19.88%	20.16%	18.76%	29.40%	29.07%	30.71%	14.32%	13.25%	18.65%
	Total State	**18.37%**	**17.34%**	**21.50%**	**27.52%**	**25.51%**	**33.38%**	**13.82%**	**12.31%**	**17.96%**

Table B-3.10 Block wise Rural and Block wise/Town wise Urban Present and Projected Population

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
1	Ajmer	1	Arain	Sarwar (M)	165,766	20,372	186,138	193,342	23,240	216,582
		2	Bhinay		178,573	0	178,573	208,279	0	208,279
		3	Jawaja	Beawar (M CL)	191,783	151,152	342,935	223,687	172,432	396,119
		4	Kekri	Kekri (M)	160,868	41,890	202,758	187,629	47,787	235,416
		5	Kishangarh	Kishangarh (M CL)	179,838	154,886	334,724	209,754	176,691	386,445
		6	Masuda	Baral (CT)	185,713	6,344	192,057	216,607	7,237	223,844
				Vijainagar (M)		32,124	32,124		36,647	36,647
		7	Peesangan	Ajmer (M Corp)	285,443	542,321	827,764	332,927	618,671	951,598
				Pushkar (M)		21,626	21,626		24,671	24,671
				Boraj-Kazipura (CT)		8,780	8,780		10,016	10,016
				Nasirabad (CB)		50,804	50,804		57,956	57,956
		8	Srinagar	Badlya (CT)	199,658	5,111	204,769	232,872	5,831	238,703
			Total		**1,547,642**	**1,035,410**	**2,583,052**	**1,805,097**	**1,181,179**	**2,986,276**
2	Alwar	1	Bansur		263,663		263,663	306,706	0	306,706
		2	Behror	Behror (M)	148,769	29,531	178,300	173,055	39,609	212,664
		3	Kathumar	Kherli (M)	252,721	17,634	270,355	293,977	23,652	317,629
		4	Kishangarh Bas	Khairthal (M)	186,598	38,298	224,896	217,060	51,368	268,428
				Kishangarh (CT)		12,429	12,429		16,671	16,671
		5	Kotkasim		137,339		137,339	159,759	0	159,759
		6	Lachhmangarh	Govindgarh (CT)	267,076	11,552	278,628	310,676	15,494	326,170
		7	Mandawar		231,628		231,628	269,441	0	269,441
		8	Nimarana	Neemrana (CT)	163,968	7,143	171,111	190,736	9,581	200,317
				Shahjahanpur (CT)		9,837	9,837		13,194	13,194
		9	Rajgarh	Rajgarh (M)	218,821	26,631	245,452	254,543	35,720	290,263
		10	Ramgarh	Ramgarh (CT)	247,595	13,529	261,124	288,015	18,146	306,161
				Desoola (CT)		7,306	7,306		9,799	9,799

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
		11	Reni		111,275		111,275	129,441	0	129,441
		12	Thanagazi		233,395		233,395	271,497	0	271,497
		13	Tijara	Bhiwadi (M)	257,436	104,921	362,357	299,462	140,729	440,191
				Tapookra (CT)		9,471	9,471		12,703	12,703
				Tijara (M)		24,747	24,747		33,193	33,193
		14	Umren	Alwar (M CL)	299,444	322,568	622,012	348,328	432,654	780,982
				Bhoogar (CT)		7,666	7,666		10,282	10,282
				Diwakari (CT)		11,188	11,188		15,006	15,006
			Total		**3,019,728**	**654,451**	**3,674,179**	**3,512,696**	**877,801**	**4,390,497**
3	Banswara	1	Anandpur		150,913		150,913	189,026	0	189,026
		2	Bagidora		222,912		222,912	279,209	0	279,209
		3	Banswara	Banswara (M)	237,963	101,017	338,980	298,061	102,549	400,610
		4	Choti Sarwan		119,607		119,607	149,814	0	149,814
		5	Ghari	Garhi (CT)	282,802	5,180	287,982	354,224	5,259	359,483
				Partapur (CT)		10,758	10,758		10,921	10,921
		6	Ghatol		287,101		287,101	359,609	0	359,609
		7	Kushalgarh	Kushalgarh (M)	232,934	10,666	243,600	291,762	10,828	302,590
		8	Sajjangarh		135,632		135,632	169,886	0	169,886
			Total		**1,669,864**	**127,621**	**1,797,485**	**2,091,591**	**129,557**	**2,221,148**
4	Baran	1	Antah	Antah (M)	169,551	32,377	201,928	191,018	42,851	233,869
				Mangrol (M)		25,073	25,073		33,184	33,184
		2	Atru	Atru (CT)	122,309	11,141	133,450	137,794	14,745	152,539
				Kawai (CT)		9,487	9,487		12,556	12,556
				Kherliganj (CT)		7,022	7,022		9,294	9,294
		3	Baran	Baran (M)	95,563	117,992	213,555	107,662	156,163	263,825
		4	Chhabra	Chhabra (M)	120,144	32,285	152,429	135,355	42,729	178,084
		5	Chhipabarod	Chhipabarod (CT)	152,049	18,837	170,886	171,300	24,931	196,231
		6	Kishanganj		166,864		166,864	187,990	0	187,990
		7	Shahbad		142,061		142,061	160,047	0	160,047

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
			Total		**968,541**	**254,214**	**1,222,755**	**1,091,166**	**336,453**	**1,427,619**
5	Barmer	1	Balotra	Balotra (M)	348,288	74,496	422,784	451,593	79,377	530,970
		2	Barmer	Barmer (M)	337,040	96,225	433,265	437,009	102,530	539,539
		3	Baytoo	Utarlai (CT)	289,384	4,603	293,987	375,218	4,905	380,123
		4	Chohtan		336,877		336,877	436,798	0	436,798
		5	Dhorimanna	Dhorimanna (CT)	292,311	6,513	298,824	379,013	6,940	385,953
		6	Sheo		237,080		237,080	307,400	0	307,400
		7	Sindhari		308,374		308,374	399,841	0	399,841
		8	Siwana		272,560		272,560	353,404	0	353,404
			Total		**2,421,914**	**181,837**	**2,603,751**	**3,140,276**	**193,752**	**3,334,028**
6	Bharatpur	1	Bayana	Bayana (M)	225,144	38,502	263,646	268,503	43,779	312,282
				Bayana (Rural) (CT)		5,866	5,866		6,670	6,670
		2	Deeg	Deeg (M)	181,711	44,999	226,710	216,705	51,166	267,871
		3	Kaman	Kaman (M)	283,218	38,040	321,258	337,761	43,254	381,015
		4	Kumher	Kumher (M)	177,801	23,540	201,341	212,042	26,766	238,808
		5	Nadbai	Nadbai (M)	188,725	26,411	215,136	225,070	30,031	255,101
		6	Nagar	Nagar (M)	297,874	25,572	323,446	355,239	29,077	384,316
		7	Rupbas		257,952		257,952	307,629	0	307,629
		8	Sewar	Bharatpur (M CL)	200,177	252,838	453,015	238,728	287,491	526,219
		9	Weir	Bhusawar (M)	240,761	19,946	260,707	287,127	22,680	309,807
				Weir (M)		19,385	19,385		22,042	22,042
			Total		**2,053,363**	**495,099**	**2,548,462**	**2,448,804**	**562,956**	**3,011,760**
7	Bhilwara		Asind	Asind (M)	237,519	16,611	254,130	277,368	19,323	296,691
			Banera		123,714	0	123,714	144,470	0	144,470
			Hurda	Gulabpura (M)	111,428	27,215	138,643	130,122	31,658	161,780
			Jahazpur	Jahazpur (M)	197,187	20,586	217,773	230,269	23,947	254,216
			Kotri		174,701	0	174,701	204,011	0	204,011
			Mandal		235,640	0	235,640	275,173	0	275,173
			Mandalgarh	Bijoliya Kalan (CT)	238,202	14,140	252,342	278,165	16,449	294,614

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
				Mandalgarh (M)		13,844	13,844		16,104	16,104
			Raipur		97,869	0	97,869	114,289	0	114,289
			Sahara	Gangapur (M)	116,309	18,777	135,086	135,822	21,843	157,665
			Shahpura	Shahpura (M)	176,700	30,320	207,020	206,345	35,270	241,615
			Suwana	Bhilwara (M CL)	186,600	359,483	546,083	217,906	418,174	636,080
				Hameer Garh (CT)		11,678	11,678		13,585	13,585
			Total		**1,895,869**	**512,654**	**2,408,523**	**2,213,940**	**596,353**	**2,810,293**
8	Bikaner	1	Bikaner	Bikaner (M.Corp)	270,175	644,406	914,581	328,332	769,781	1,098,113
				Deshnoke (M)		18,470	18,470		22,064	22,064
		2	Dungargarh	Dungargarh (M)	241,025	53,294	294,319	292,908	63,663	356,571
		3	Khajuwala	Beriyawali (CT)	166,475	11,831	178,306	202,310	14,133	216,443
		4	Kolayat	Kolayat (CT)	251,344	9,684	261,028	305,448	11,568	317,016
		5	Lunkaransar		260,357		260,357	316,401	0	316,401
		6	Nokha	Nokha (M)	374,177	62,699	436,876	454,722	74,898	529,620
			Total		**1,563,553**	**800,384**	**2,363,937**	**1,900,121**	**956,107**	**2,856,228**
9	Bundi	1	Bundi	Bundi (M)	151,746	104,919	256,665	170,182	121,801	291,983
		2	Hindoli		219,968		219,968	246,692	0	246,692
		3	Keshoraipatan	Indragarh (M)	195,678	7,444	203,122	219,451	8,642	228,093
				Kaprain (M)		20,748	20,748		24,086	24,086
				Keshoraipatan (M)		24,627	24,627		28,590	28,590
				Lakheri (M)		29,572	29,572		34,330	34,330
				Sumerganj Mandi (CT)		3,633	3,633		4,218	4,218
		4	Nainwa	Nainwa (M)	176,585	19,485	196,070	198,039	22,620	220,659
		5	Talera	Budhpura (CT)	144,228	5,070	149,298	161,750	5,886	167,636
				Talera (CT)		7,203	7,203		8,362	8,362
			Total		**888,205**	**222,701**	**1,110,906**	**996,114**	**258,535**	**1,254,649**
10	Chittaurgarh	1	Badi Sadri	Bari Sadri (M)	100,553	15,713	116,266	114,360	17,714	132,074
		2	Bainsrorgarh	Rawatbhata (M)	99,059	37,699	136,758	112,661	42,499	155,160
		3	Begun	Begun (M)	118,005	20,705	138,710	134,208	23,341	157,549

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
		4	Bhadesar		123,930		123,930	140,947	0	140,947
		5	Bhopalsagar		81,097		81,097	92,233	0	92,233
		6	Chittorgarh	Chittaurgarh (M)	184,005	116,406	300,411	209,271	131,229	340,500
				Sawa (CT)		11,923	11,923		13,441	13,441
		7	Dungla		104,607		104,607	118,971	0	118,971
		8	Gangrar		103,933		103,933	118,204	0	118,204
		9	Kapasan	Kapasan (M)	97,374	20,869	118,243	110,745	23,526	134,271
		10	Nimbahera	Nimbahera (M)	157,841	61,949	219,790	179,514	69,837	249,351
		11	Rashmi		88,670		88,670	100,845	0	100,845
			Total		**1,259,074**	**285,264**	**1,544,338**	**1,431,959**	**321,587**	**1,753,546**
11	Churu	1	Churu	Churu (M CL)	177,564	120,157	297,721	211,928	134,511	346,439
				Ratannagar (M)		12,841	12,841		14,375	14,375
		2	Rajgarh	Rajgarh (M)	303,389	59,193	362,582	362,105	66,264	428,369
		3	Ratangarh	Rajaldesar (M)	193,516	27,419	220,935	230,968	30,694	261,662
				Ratangarh (M)		71,124	71,124		79,620	79,620
		4	Sardarshahar	Sardarshahar (M)	286,563	95,911	382,474	342,022	107,368	449,390
		5	Sujangarh	Bidasar (M)	323,089	35,683	358,772	385,617	39,946	425,563
				Chhapar (M)		19,744	19,744		22,103	22,103
				Sujangarh (M)		101,523	101,523		113,651	113,651
		6	Taranagar	Taranagar (M)	179,191	32,640	211,831	213,870	36,539	250,409
			Total		**1,463,312**	**576,235**	**2,039,547**	**1,746,510**	**645,071**	**2,391,581**
12	Dausa	1	Bandikui	Bandikui (M)	294,214	44,664	338,878	350,707	58,524	409,231
		2	Dausa	Dausa (M)	334,977	85,960	420,937	399,297	112,635	511,932
		3	Lalsot	Lalsot (M)	315,080	34,363	349,443	375,579	45,026	420,605
		4	Mahwa	Mahwa (CT)	227,861	24,846	252,707	271,613	32,556	304,169
				Mandawar (CT)		11,960	11,960		15,671	15,671
		5	Sikrai		260,484		260,484	310,500	0	310,500
			Total		**1,432,616**	**201,793**	**1,634,409**	**1,707,696**	**264,412**	**1,972,108**
13	Dhaulpur	1	Bari	Bari (M)	182,929	62,721	245,650	214,153	80,660	294,813

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
		2	Baseri	Sarmathura (CT)	226,786	17,988	244,774	265,496	23,133	288,629
		3	Dholpur	Dhaulpur (M)	326,440	133,075	459,515	382,160	171,136	553,296
		4	Rajakhera	Rajakhera (M)	222,911	33,666	256,577	260,960	43,295	304,255
			Total		**959,066**	**247,450**	**1,206,516**	**1,122,769**	**318,224**	**1,440,993**
14	Dungarpur	1	Aspur		224,243		224,243	273,415	0	273,415
		2	Bichhiwara	Dungarpur (M)	335,617	47,706	383,323	409,212	57,050	466,262
		3	Dungarpur		195,648		195,648	238,550	0	238,550
		4	Sagwara	Sagwara (M)	244,703	29,439	274,142	298,362	35,205	333,567
		5	Simalwara	Galiakot (CT)	299,598	4,707	304,305	365,294	5,629	370,923
				Seemalwara (CT)		6,891	6,891		8,241	8,241
			Total		**1,299,809**	**88,743**	**1,388,552**	**1,584,833**	**106,125**	**1,690,958**
15	Ganganagar	1	Anupgarh	1 GB-A(CT)	196,500	7,297	203,797	209,473	8,189	217,662
				Anupgarh (M)		30,877	30,877		34,652	34,652
				Vijainagar (M)		18,425	18,425		20,677	20,677
		2	Ganganagar	3 E Village (CT)	199,238	12,134	211,372	212,392	13,617	226,009
				Ganganagar (M Cl)		237,780	237,780		266,849	266,849
		3	Gharsana	24 AS-C(CT)	218,934	6,648	225,582	233,388	7,461	240,849
				3 STR (CT)		11,667	11,667		13,093	13,093
				8 PSD-B(CT)		11,675	11,675		13,102	13,102
		4	Karanpur	Karanpur (M)	111,571	21,297	132,868	118,937	23,901	142,838
				Kesrisinghpur (M)		14,010	14,010		15,723	15,723
		5	Padampur	Gajsinghpur (M)	134,303	9,995	144,298	143,170	11,217	154,387
				Padampur (M)		18,420	18,420		20,672	20,672
		6	Raisinghnagar	Raisinghnagar (M)	168,125	28,330	196,455	179,225	31,793	211,018
		7	Sadulshahar	8 LLG(LALGARH) (CT)	154,620	11,361	165,981	164,828	12,750	177,578
				Sadulshahar (M)		24,980	24,980		28,034	28,034
		8	Suratgarh	Suratgarh (m)	250,445	70,536	320,981	266,980	79,159	346,139
			Total		**1,433,736**	**535,432**	**1,969,168**	**1,528,393**	**600,889**	**2,129,282**
16	Hanumangarh	1	Bhadra	Bhadra (M)	249,656	40662	290,318	288,632	44,275	332,907

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
		2	Hanumangarh	Hanumangarh (M CL)	292,440	150,958	443,398	338,095	164,373	502,468
		3	Nohar	Nohar (M)	264,752	49835	314,587	306,084	54,264	360,348
		4	Pilibanga	Pilibanga (M)	178,427	37,288	215,715	206,282	40,602	246,884
		5	Rawatsar	Rawatsar (M)	169,991	35,102	205,093	196,529	38,221	234,750
		6	Sangaria	Sangaria (M)	95,973	36,619	132,592	110,956	39,873	150,829
		7	Tibi		172,989		172,989	199,995	0	199,995
			Total		**1,424,228**	**350,464**	**1,774,692**	**1,646,573**	**381,608**	**2,028,181**
17	Jaipur	1	Amber	Akedadoongar (CT)	319,630	9,062	328,692	373,420	11,569	384,989
		2	Bassi	Baskhoh (CT)	235,165	11,150	246,315	274,741	14,235	288,976
				Bassi (CT)		26,029	26,029		33,230	33,230
				Kanota (CT)		11,250	11,250		14,362	14,362
		3	Chaksu	Chaksu (M)	190,202	33,432	223,634	222,211	42,681	264,892
		4	Dudu	Phulera (M)	352,299	26,091	378,390	411,587	33,309	444,896
		5	Govindgarh	Chomu (M)	322,857	64,417	387,274	377,190	82,237	459,427
				Govindgarh (CT)		7,735	7,735		9,875	9,875
		6	Jamwa Ramgarh	Jamwa Ramgarh (CT)	295,571	7,665	303,236	345,312	9,785	355,097
		7	Jhotwara	Bagrana (CT)	128,716	10,790	139,506	150,377	13,775	164,152
				Jaipur (M Corp)		3,046,163	3,046,163		3,888,853	3,888,853
		8	Kotputli	Kotputli (M)	295,648	49,202	344,850	345,402	62,813	408,215
		9	Phagi		191,126		191,126	223,290	0	223,290
		10	Sambhar	Jobner (M)	215,849	11,354	227,203	252,174	14,495	266,669
				Kishangarh Renwal (M)		29,201	29,201		37,279	37,279
				Sambhar (M)		22,327	22,327		28,504	28,504
		11	Sanganer	Bagru (M)	174,893	31,229	206,122	204,326	39,868	244,194
		12	Shahpura	Manoharpur (CT)	193,831	20,287	214,118	226,451	25,899	252,350
				Shahpura (M)		33,895	33,895		43,272	43,272
		13	Viratnagar	Viratnagar (M)	238,544	20,568	259,112	278,688	26,258	304,946
			Total		**3,154,331**	**3,471,847**	**6,626,178**	**3,685,169**	**4,432,299**	**8,117,468**

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
18	Jaisalmer		Jaisalmer	Jaisalmer (M)	186,792	65471	252,263	244,478	68,684	313,162
			Sankra	Pokaran (M)	157,505	23554	181,059	206,146	24,710	230,856
			Som		236,597		236,597	309,663	0	309,663
			Total		**580,894**	**89,025**	**669,919**	**760,287**	**93,394**	**853,681**
19	Jalore	1	Ahore	Ahore (CT)	191,832	16867	208,699	235,436	20,289	255,725
		2	Bhinmal		208,533		208,533	255,933	0	255,933
		3	Chitalwana		269,977		269,977	331,343	0	331,343
		4	Jalore	Jalor (M)	160,093	54081	214,174	196,482	65,053	261,535
		5	Jaswantpura	Bhinmal (M)	197,229	47932	245,161	242,060	57,656	299,716
		6	Raniwara		206,831		206,831	253,844	0	253,844
		7	Sanchore	Sanchore (M)	184,606	32875	217,481	226,567	39,544	266,111
		8	Sayla		257,874		257,874	316,489	0	316,489
			Total		**1,676,975**	**151,755**	**1,828,730**	**2,058,154**	**182,542**	**2,240,696**
20	Jhalawar	1	Bakani	Bakani (CT)	172,315	9812	182,127	198,444	12,191	210,635
		2	Dag	Kolvi @ Mandi Rajendrapur (CT)	202,017	8584	210,601	232,650	10,665	243,315
		3	Jhalrapatan	Bhawani Mandi (M)	251,674	42283	293,957	289,837	52,535	342,372
				Jhalarpathan (M)		37506	37,506		46,600	46,600
				Jhalawar (M)		66919	66,919		83,144	83,144
		4	Khanpur	Khanpur (CT)	159,345	13848	173,193	183,507	17,206	200,713
		5	ManoharThana	Aklera (M)	196,615	26240	222,855	226,429	32,602	259,031
				Manoharthana (CT)		11292	11,292		14,030	14,030
		6	Pirawa	Pirawa (M)	199,872	12807	212,679	230,180	15,912	246,092
			Total		**1,181,838**	**229,291**	**1,411,129**	**1,361,047**	**284,885**	**1,645,932**
21	Jhunjhunu	1	Alsisar	Bissau (M)	166,285	23,227	189512	179,094	26,935	206,029
		2	Buhana	Singhana (CT)	212,033	11,372	223405	228,366	13,187	241,553
		3	Chirawa	Chirawa (M)	136,505	43,953	180458	147,020	50,970	197,990
		4	Jhunjhunun	Baggar (M)	162,601	14,238	176839	175,126	16,511	191,637
				Islampur (CT)		10,247	10247		11,883	11,883

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
				Jhunjhunun (M CL)		118,473	118473		137,387	137,387
				Malsisar (CT)		13,719	13719		15,909	15,909
				Mandawa (M)		23,335	23335		27,060	27,060
				Nooan (CT)		6,049	6049		7,015	7,015
		5	Khetri	Babai (CT)	232,184	10,620	242804	250,069	12,315	262,384
				Gothra (CT)		16,933	16933		19,636	19,636
				Khetri (M)		18,209	18209		21,116	21,116
		6	Nawalgarh	Mukandgarh (M)	244,246	18,469	262715	263,060	21,417	284,477
				Nawalgarh (M)		63,948	63948		74,157	74,157
		7	Surajgarh	Pilani (M)	228,578	29,741	258319	246,185	34,489	280,674
				Surajgarh (M)		21,666	21666		25,125	25,125
				Vidyavihar (M)		15,644	15644		18,141	18,141
		8	Udaipurwati	Udaipurwati (M)	265,534	29,236	294770	285,988	33,903	319,891
			Total		**1,647,966**	**489,079**	**2,137,045**	**1,774,908**	**567,156**	**2,342,064**
22	Jodhpur	1	Balesar		217,115		217115	269,596	0	269,596
		2	Bap		296,024		296024	367,578	0	367,578
		3	Bawari		180,453		180453	224,072	0	224,072
		4	Bhopalgarh		241,228		241228	299,537	0	299,537
		5	Bilara	Bilara (M)	207,659	39590	247249	257,854	48,810	306,664
				Pipar City (M)		36810	36810		45,383	45,383
		6	Luni	Kuri Bhagtasani (CT)	264,925	38429	303354	328,962	47,379	376,341
				Sangariya (CT)		22853	22853		28,175	28,175
		7	Mandore	Jodhpur (M Corp. + OG)	196,978	1056191	1253169	244,591	1,302,167	1,546,758
				Nandri (CT)		20827	20827		25,677	25,677
		8	Osian		364,529		364529	452,642	0	452,642
		9	Phalodi	Phalodi (M + OG)	218,621	49914	268535	271,466	61,538	333,004
		10	Shergarh		235,019		235019	291,827	0	291,827
			Total		**2,422,551**	**1,264,614**	**3,687,165**	**3,008,125**	**1,559,129**	**4,567,254**
23	Karauli	1	Hindaun	Hindaun (M)	318,422	105452	423874	374,514	123,378	497,892

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
		2	Karauli	Karauli (M)	266,168	82960	349128	313,055	97,062	410,117
		3	Nadoti		150,898		150898	177,480	0	177,480
		4	Sapotra	Sapotra (CT)	276,452	6716	283168	325,151	7,858	333,009
		5	Todabhim	Todabhim (M)	228,203	22977	251180	268,402	26,883	295,285
			Total		**1,240,143**	**218,105**	**1,458,248**	**1,458,602**	**255,181**	**1,713,783**
24	Kota	1	Itawa		179,800		179800	189,674	0	189,674
		2	Khairabad	Chechat (CT)	143,644	11690	155334	151,533	15,322	166,855
				Khairabad (CT)		11993	11993		15,719	15,719
				Kumbhkot (CT)		6602	6602		8,653	8,653
				Modak (CT)		9204	9204		12,064	12,064
				Ramganj Mandi (M)		41328	41328		54,169	54,169
				Satalkheri (CT)		15617	15617		20,469	20,469
				Suket (CT)		22319	22319		29,254	29,254
				Udpura (CT)		10051	10051		13,174	13,174
		3	Ladpura	Kaithoon (M)	117,838	24260	142098	124,309	31,798	156,107
				Kota (M Corp.)		1001694	1001694		1,312,934	1,312,934
		4	Sangod	Sangod (M)	164,394	21846	186240	173,422	28,634	202,056
		5	Sultanpur		168,734		168734	178,001	0	178,001
			Total		**774,410**	**1,176,604**	**1,951,014**	**816,939**	**1,542,190**	**2,359,129**
25	Nagaur	1	Degana	Goredi Chancha (CT)	222,679	10655	233334	255,349	13,130	268,479
				Jhagarwas (CT)		5728	5728		7,059	7,059
		2	Didwana	Didwana (M + OG)	343,254	53749	397003	393,613	66,235	459,848
		3	Jayal		269,024		269024	308,493	0	308,493
		4	Kuchaman city	Kuchaman City (M)	320,853	61969	382822	367,926	76,365	444,291
				Nawa (M)		22088	22088		27,219	27,219
		5	Ladnu	Ladnu (M)	187,367	65575	252942	214,856	80,809	295,665
		6	Makrana	Borawar (CT)	205,692	24975	230667	235,869	30,777	266,646
				Makrana (M)		94487	94487		116,437	116,437
				Makrana Village (CT)		21808	21808		26,874	26,874

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
		7	Merta	Gothan (CT)	206,962	17700	224662	237,326	21,812	259,138
				Merta City (M)		46070	46070		56,772	56,772
				Merta Road (CT)		16905	16905		20,832	20,832
		8	Mundwa	Kuchera (M)	262,259	23468	285727	300,735	28,920	329,655
				Mundwa (M)		16871	16871		20,790	20,790
		9	Nagaur	Basni Belima (CT)	275,268	29187	304455	315,653	35,967	351,620
				Chenar Village (CT)		5579	5579		6,875	6,875
				Nagaur (M + OG)		105218	105218		129,661	129,661
		10	Parbatsar	Parbatsar (M)	208,848	15172	224020	239,488	18,697	258,185
		11	Riyan		168,333		168333	193,029	0	193,029
			Total		**2,670,539**	**637,204**	**3,307,743**	**3,062,337**	**785,231**	**3,847,568**
26	Pali	1	Bali	Bali (M)	219,181	19880	239061	239,741	22,144	261,885
				Falna (M)		24839	24839		27,668	27,668
		2	Desuri	Sadri (M)	117,520	27390	144910	128,544	30,510	159,054
		3	Jaitaran	Jaitaran (M)	204,155	22621	226776	223,306	25,197	248,503
		4	Marwar Junction	Marwar Junction (CT)	186,974	12004	198978	204,513	13,371	217,884
		5	Pali	Pali (M CL)	113,415	230075	343490	124,054	256,280	380,334
		6	Raipur		205,254		205254	224,508	0	224,508
		7	Rani	Rani (M)	100,442	13880	114322	109,864	15,461	125,325
		8	Rohat		120,963		120963	132,310	0	132,310
		9	Sojat	Sojat (M)	165,359	43023	208382	180,871	47,923	228,794
				Sojat Road (CT)		12472	12472		13,893	13,893
		10	Sumerpur	Sumerpur (M)	144,304	37093	181397	157,840	41,318	199,158
				Takhatgarh (M)		16729	16729		18,634	18,634
			Total		**1,577,567**	**460,006**	**2,037,573**	**1,725,551**	**512,399**	**2,237,950**
27	Pratapgarh	1	Arnod		141,023		141023	170,959	0	170,959
		2	Chhoti Sadri	Chhoti Sadri (M)	115,717	18360	134077	140,281	18,431	158,712
		3	Dhariawad	Dhariawad (CT)	178,504	11368	189872	216,397	11,412	227,809

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
		4	Peepalkhoont		154,063		154063	186,767	0	186,767
		5	Pratapgarh	Pratapgarh (M)	206,734	42079	248813	250,619	42,242	292,861
			Total		**796,041**	**71,807**	**867,848**	**965,023**	**72,085**	**1,037,108**
28	Rajsamand	1	Amet	Amet (M)	95,014	17335	112349	106,480	22,107	128,587
				Sardargarh (CT)		6600	6600		8,417	8,417
		2	Bhim	Bhim (CT)	159,455	11568	171023	178,697	14,753	193,450
		3	Deogarh	Deogarh (M)	93,119	17604	110723	104,356	22,450	126,806
		4	Khamnor	Delwara (CT)	198,286	4429	202715	222,214	5,648	227,862
				Nathdwara (M)		42016	42016		53,583	53,583
		5	Kumbhalgarh		144,231		144231	161,636	0	161,636
		6	Railmagra		131,800		131800	147,705	0	147,705
		7	Rajsamand	Emri (CT)	150,872	4758	155630	169,079	6,068	175,147
				Kelwa (CT)		11712	11712		14,936	14,936
				Rajsamand (M)		67798	67798		86,463	86,463
			Total		**972,777**	**183,820**	**1,156,597**	**1,090,167**	**234,425**	**1,324,592**
29	Sawai Madhopur	1	Bamanwas		171,648		171648	199,886	0	199,886
		2	Bonli	Kasba Bonli (CT)	233,173	15300	248473	271,533	17,965	289,498
		3	Gangapur	Gangapur City (M)	216,553	119090	335643	252,178	139,833	392,011
				Mahu Kalan (CT)		10971	10971		12,882	12,882
		4	Khander		201,960		201960	235,185	0	235,185
		5	Sawai Madhopur	Sawai Madhopur (M)	245,750	121106	366856	286,179	142,200	428,379
			Total		**1,069,084**	**266,467**	**1,335,551**	**1,244,961**	**312,880**	**1,557,841**
30	Sikar	1	Danta Ramgarh	Bay (CT)	316,143	5936	322079	352,101	7,367	359,468
				Danta (CT)		15594	15594		19,353	19,353
				Losal (M)		28504	28504		35,375	35,375
				Ramgarh (CT)		7924	7924		9,834	9,834
		2	Dhond		249,846		249846	278,264	0	278,264

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
		3	Fatehpur	Fatehpur (M)	218,307	92595	310902	243,137	114,916	358,053
				Ramgarh (M)		33024	33024		40,985	40,985
		4	Khandela	Kanwat (CT)	271,483	7903	279386	302,362	9,808	312,170
				Khandela (M + OG)		29044	29044		36,045	36,045
		5	Lachhmangarh	Lachhmangarh (M)	229,276	53392	282668	255,354	66,263	321,617
		6	Neem Ka Thana	Guhala (CT)	357,337	6343	363680	397,981	7,872	405,853
				Neem-Ka-Thana (M)		36231	36231		44,965	44,965
		7	Piprali	Sikar (M Cl + OG)	199,056	244497	443553	221,697	303,436	525,133
		8	Sri Madhopur	Ajeetgarh (CT)	201,979	15414	217393	224,952	19,130	244,082
				Reengus (M)		26139	26139		32,440	32,440
				Sri Madhopur (M)		31366	31366		38,927	38,927
			Total		**2,043,427**	**633,906**	**2,677,333**	**2,275,848**	**786,716**	**3,062,564**
31	Sirohi	1	Abu Road	Abu Road (M + OG)	136,676	55599	192275	159,158	70,685	229,843
				Mount Abu (M)		22943	22943		29,168	29,168
				Santpur (Rural) (CT)		9186	9186		11,679	11,679
		2	Pindwara	Bhavri (CT)	221,887	15312	237199	258,386	19,467	277,853
				Pindwara (M)		24487	24487		31,131	31,131
		3	Reodar	Reodar (CT)	213,731	8117	221848	248,888	10,319	259,207
		4	Sheoganj	Sheoganj (M + OG)	114,276	28053	142329	133,074	35,665	168,739
		5	Sirohi	Goyli (CT)	141,122	5728	146850	164,336	7,282	171,618
				Sirohi (M)		39229	39229		49,874	49,874
			Total		**827,692**	**208,654**	**1,036,346**	**963,842**	**265,270**	**1,229,112**
32	Tonk	1	Deoli	Deoli (M)	192,343	22,065	214,408	218,679	26,016	244,695
		2	Malpura	Malpura (M)	204,881	36,028	240,909	232,934	42,480	275,414
		3	Niwai	Banasthali (CT)	195,187	12,835	208,022	221,912	15,133	237,045
				Niwai (M)		37,765	37,765		44,528	44,528
		4	Todaraisingh	Todaraisingh (M)	123,311	23,559	146,870	140,195	27,778	167,973
		5	Tonk	Tonk (M CL)	239,158	165,294	404,452	271,904	194,895	466,799

S. No.	District	S. No.	Block	Town	Population 2010 (as per Census 2011)			Population 2020		
					Rural	Urban	Total	Rural	Urban	Total
		6	Uniara	Aligarh (CT)	148,723	7,626	156,349	169,086	8,992	178,078
				Uniara (M)		12,551	12,551		14,799	14,799
			Total		**1,103,603**	**317,723**	**1,421,326**	**1,254,710**	**374,621**	**1,629,331**
33	Udaipur	1	Bargaon	Bargaon (Rural) (CT)	102,036	9193	111229	122,608	10,917	133,525
				Bedla (CT)		5766	5766		6,847	6,847
				Bhuwana (CT)		17665	17665		20,978	20,978
		2	Bhindar	Bhinder (M)	240,562	17878	258440	289,064	21,231	310,295
				Kanor (M)		13239	13239		15,722	15,722
		3	Girwa	Bichhri (CT)	308,078	4295	312373	370,192	5,101	375,293
				Udaipur (M CL)		451100	451100		535,710	535,710
		4	Gogunda	Gogunda (CT)	206,197	8751	214948	247,770	10,392	258,162
		5	Jhadol		249,297		249297	299,560	0	299,560
		6	Kherwara	Kherwara Chhaoni (CT)	199,196	7581	206777	239,357	9,003	248,360
		7	Kotra		230,532		230532	277,011	0	277,011
		8	Lasadiya		91,229		91229	109,622	0	109,622
		9	Mavli	Fatehnagar (M)	221,333	22812	244145	265,958	27,091	293,049
				Mavli (CT)		9199	9199		10,924	10,924
		10	Rishabhdeo	Rishabhdeo (CT)	163,764	9171	172935	196,782	10,891	207,673
		11	Salumbar	Salumbar (M)	231,912	16425	248337	278,670	19,506	298,176
		12	Sarda	Bhalariya (CT)	215,858	3962	219820	259,379	4,705	264,084
				Chawand (CT)		4252	4252		5,050	5,050
				Newa Talai (CT)		2525	2525		2,999	2,999
				Semari (CT)		4612	4612		5,477	5,477
			Total		**2,459,994**	**608,426**	**3,068,420**	**2,955,973**	**722,544**	**3,678,517**
			State Total		**51,500,352**	**17,048,085**	**68,548,437**	**60,430,181**	**20,713,556**	**81,143,737**

Source: Census 2011 and Consultants Projections

Table B-3.10 Block wise Rural and Block wise/Town wise Urban Present and Projected Population (Continued)

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
1	Ajmer	1	Arain	Sarwar (M)	239,782	28,371	268,153	267,837	32,213	300,050
		2	Bhinay		258,307	0	258,307	288,529	0	288,529
		3	Jawaja	Beawar (M CL)	277,416	210,499	487,915	309,874	239,006	548,880
		4	Kekri	Kekri (M)	232,697	58,337	291,034	259,923	66,237	326,160
		5	Kishangarh	Kishangarh (M CL)	260,136	215,698	475,834	290,572	244,909	535,481
		6	Masuda	Baral (CT)	268,636	8,835	277,471	300,067	10,031	310,098
				Vijainagar (M)		44,737	44,737		50,796	50,796
		7	Peesangan	Ajmer (M Corp)	412,895	755,250	1,168,145	461,204	857,530	1,318,734
				Pushkar (M)		30,117	30,117		34,196	34,196
				Boraj-Kazipura (CT)		12,227	12,227		13,883	13,883
				Nasirabad (CB)		70,751	70,751		80,332	80,332
		8	Srinagar	Badlya (CT)	288,807	7,118	295,925	322,598	8,082	330,680
			Total		**2,238,676**	**1,441,940**	**3,680,616**	**2,500,604**	**1,637,215**	**4,137,819**
2	Alwar	1	Bansur		379,020	0	379,020	422,846	0	422,846
		2	Behror	Behror (M)	213,857	59,364	273,221	238,585	72,831	311,416
		3	Kathumar	Kherli (M)	363,290	35,448	398,738	405,297	43,489	448,786
		4	Kishangarh Bas	Khairthal (M)	268,238	76,988	345,226	299,254	94,453	393,707
				Kishangarh (CT)		24,986	24,986		30,654	30,654
		5	Kotkasim		197,427	0	197,427	220,255	0	220,255
		6	Lachhmangarh	Govindgarh (CT)	383,926	23,222	407,148	428,319	28,490	456,809
		7	Mandawar		332,969	0	332,969	371,470	0	371,470
		8	Nimarana	Neemrana (CT)	235,707	14,360	250,067	262,962	17,618	280,580
				Shahjahanpur (CT)		19,775	19,775		24,261	24,261
		9	Rajgarh	Rajgarh (M)	314,558	53,535	368,093	350,930	65,679	416,609
		10	Ramgarh	Ramgarh (CT)	355,922	27,196	383,118	397,077	33,365	430,442
				Desoola (CT)		14,686	14,686		18,018	18,018

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
		11	Reni		159,960	0	159,960	178,456	0	178,456
		12	Thanagazi		335,510	0	335,510	374,305	0	374,305
		13	Tijara	Bhiwadi (M)	370,068	210,918	580,986	412,859	258,765	671,624
				Tapookra (CT)		19,039	19,039		23,358	23,358
				Tijara (M)		49,748	49,748		61,033	61,033
		14	Umren	Alwar (M CL)	430,456	648,440	1,078,896	480,229	795,538	1,275,767
				Bhoogar (CT)		15,410	15,410		18,906	18,906
				Diwakari (CT)		22,490	22,490		27,592	27,592
			Total		**4,340,908**	**1,315,605**	**5,656,513**	**4,842,844**	**1,614,050**	**6,456,894**
3	Banswara	1	Anandpur		257,969	0	257,969	297,814	0	297,814
		2	Bagidora		381,044	0	381,044	439,898	0	439,898
		3	Banswara	Banswara (M)	406,772	109,887	516,659	469,600	138,410	608,010
		4	Choti Sarwan		204,455	0	204,455	236,034	0	236,034
		5	Ghari	Garhi (CT)	483,419	5,635	489,054	558,086	7,098	565,184
				Partapur (CT)		11,702	11,702		14,739	14,739
		6	Ghatol		490,768	0	490,768	566,570	0	566,570
		7	Kushalgarh	Kushalgarh (M)	398,176	11,603	409,779	459,676	14,615	474,291
		8	Sajjangarh		231,848	0	231,848	267,658	0	267,658
			Total		**2,854,451**	**138,827**	**2,993,278**	**3,295,336**	**174,862**	**3,470,198**
4	Baran	1	Antah	Antah (M)	226,148	62,545	288,693	248,604	75,576	324,180
				Mangrol (M)		48,435	48,435		58,526	58,526
		2	Atru	Atru (CT)	163,136	21,522	184,658	179,335	26,006	205,341
				Kawai (CT)		18,327	18,327		22,145	22,145
				Kherliganj (CT)		13,565	13,565		16,391	16,391
		3	Baran	Baran (M)	127,462	227,935	355,397	140,118	275,425	415,543
		4	Chhabra	Chhabra (M)	160,248	62,367	222,615	176,160	75,361	251,521
		5	Chhipabarod	Chhipabarod (CT)	202,804	36,389	239,193	222,942	43,971	266,913
		6	Kishanganj		222,563	0	222,563	244,663	0	244,663
		7	Shahbad		189,481	0	189,481	208,296	0	208,296

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
			Total		**1,291,842**	**491,085**	**1,782,927**	**1,420,118**	**593,401**	**2,013,519**
5	Barmer	1	Balotra	Balotra (M)	645,615	91,601	737,216	757,393	118,047	875,440
		2	Barmer	Barmer (M)	624,765	118,320	743,085	732,933	152,479	885,412
		3	Baytoo	Utarlai (CT)	536,426	5,660	542,086	629,300	7,294	636,594
		4	Chohtan		624,463	0	624,463	732,579	0	732,579
		5	Dhorimanna	Dhorimanna (CT)	541,852	8,009	549,861	635,665	10,321	645,986
		6	Sheo		439,471	0	439,471	515,558	0	515,558
		7	Sindhari		571,628	0	571,628	670,596	0	670,596
		8	Siwana		505,240	0	505,240	592,714	0	592,714
			Total		**4,489,460**	**223,590**	**4,713,050**	**5,266,738**	**288,141**	**5,554,879**
6	Bharatpur	1	Bayana	Bayana (M)	343,077	53,975	397,052	387,173	63,036	450,209
				Bayana (Rural) (CT)		8,223	8,223		9,603	9,603
		2	Deeg	Deeg (M)	276,893	63,082	339,975	312,482	73,671	386,153
		3	Kaman	Kaman (M)	431,571	53,327	484,898	487,041	62,279	549,320
		4	Kumher	Kumher (M)	270,935	32,999	303,934	305,759	38,538	344,297
		5	Nadbai	Nadbai (M)	287,581	37,025	324,606	324,544	43,240	367,784
		6	Nagar	Nagar (M)	453,904	35,849	489,753	512,245	41,867	554,112
		7	Rupbas		393,070	0	393,070	443,592	0	443,592
		8	Sewar	Bharatpur (M CL)	305,033	354,444	659,477	344,239	413,943	758,182
		9	Weir	Bhusawar (M)	366,874	27,962	394,836	414,029	32,656	446,685
				Weir (M)		27,175	27,175		31,737	31,737
			Total		**3,128,938**	**694,061**	**3,822,999**	**3,531,104**	**810,570**	**4,341,674**
7	Bhilwara		Asind	Asind (M)	344,552	24,514	369,066	385,081	28,690	413,771
			Banera		179,463	0	179,463	200,573	0	200,573
			Hurda	Gulabpura (M)	161,640	40,163	201,803	180,653	47,006	227,659
			Jahazpur	Jahazpur (M)	286,045	30,381	316,426	319,692	35,557	355,249
			Kotri		253,426	0	253,426	283,236	0	283,236
			Mandal		341,825	0	341,825	382,033	0	382,033
			Mandalgarh	Bijoliya Kalan (CT)	345,542	20,868	366,410	386,187	24,423	410,610

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
				Mandalgarh (M)		20,431	20,431		23,912	23,912
			Raipur		141,972	0	141,972	158,672	0	158,672
			Sahara	Gangapur (M)	168,721	27,711	196,432	188,567	32,432	220,999
			Shahpura	Shahpura (M)	256,326	44,746	301,072	286,477	52,369	338,846
			Suwana	Bhilwara (M CL)	270,687	530,521	801,208	302,527	620,907	923,434
				Hameer Garh (CT)		17,235	17,235		20,171	20,171
			Total		**2,750,199**	**756,570**	**3,506,769**	**3,073,698**	**885,467**	**3,959,165**
8	Bikaner	1	Bikaner	Bikaner (M.Corp)	430,261	1,002,235	1,432,496	489,811	1,167,835	1,657,646
				Deshnoke (M)		28,727	28,727		33,474	33,474
		2	Dungargarh	Dungargarh (M)	383,840	82,888	466,728	436,965	96,584	533,549
		3	Khajuwala	Beriyawali (CT)	265,116	18,401	283,517	301,809	21,441	323,250
		4	Kolayat	Kolayat (CT)	400,273	15,061	415,334	455,672	17,550	473,222
		5	Lunkaransar		414,626	0	414,626	472,012	0	472,012
		6	Nokha	Nokha (M)	595,888	97,515	693,403	678,361	113,627	791,988
			Total		**2,490,004**	**1,244,827**	**3,734,831**	**2,834,630**	**1,450,511**	**4,285,141**
9	Bundi	1	Bundi	Bundi (M)	200,256	153,852	354,108	219,680	179,499	399,179
		2	Hindoli		290,286	0	290,286	318,443	0	318,443
		3	Keshoraipatan	Indragarh (M)	258,231	10,916	269,147	283,278	12,736	296,014
				Kaprain (M)		30,424	30,424		35,496	35,496
				Keshoraipatan (M)		36,113	36,113		42,133	42,133
				Lakheri (M)		43,364	43,364		50,593	50,593
				Sumerganj Mandi (CT)		5,328	5,328		6,216	6,216
		4	Nainwa	Nainwa (M)	233,036	28,572	261,608	255,640	33,335	288,975
		5	Talera	Budhpura (CT)	190,334	7,435	197,769	208,796	8,674	217,470
				Talera (CT)		10,562	10,562		12,323	12,323
			Total		**1,172,143**	**326,566**	**1,498,709**	**1,285,837**	**381,005**	**1,666,842**
10	Chittaurgarh	1	Badi Sadri	Bari Sadri (M)	137,117	21,639	158,756	151,390	25,151	176,541
		2	Bainsrorgarh	Rawatbhata (M)	135,080	51,915	186,995	149,141	60,341	209,482
		3	Begun	Begun (M)	160,915	28,513	189,428	177,665	33,141	210,806

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
		4	Bhadesar		168,995	0	168,995	186,586	0	186,586
		5	Bhopalsagar		110,587	0	110,587	122,098	0	122,098
		6	Chittorgarh	Chittaurgarh (M)	250,915	160,304	411,219	277,033	186,323	463,356
				Sawa (CT)		16,419	16,419		19,084	19,084
		7	Dungla		142,646	0	142,646	157,494	0	157,494
		8	Gangrar		141,726	0	141,726	156,479	0	156,479
		9	Kapasan	Kapasan (M)	132,783	28,738	161,521	146,605	33,403	180,008
		10	Nimbahera	Nimbahera (M)	215,237	85,310	300,547	237,642	99,157	336,799
		11	Rashmi		120,913	0	120,913	133,499	0	133,499
			Total		**1,716,914**	**392,838**	**2,109,752**	**1,895,632**	**456,600**	**2,352,232**
11	Churu	1	Churu	Churu (M CL)	271,078	160,601	431,679	306,033	182,965	488,998
				Ratannagar (M)		17,163	17,163		19,553	19,553
		2	Rajgarh	Rajgarh (M)	463,171	79,117	542,288	522,895	90,134	613,029
		3	Ratangarh	Rajaldesar (M)	295,433	36,647	332,080	333,528	41,750	375,278
				Ratangarh (M)		95,063	95,063		108,301	108,301
		4	Sardarshahar	Sardarshahar (M)	437,483	128,193	565,676	493,895	146,044	639,939
		5	Sujangarh	Bidasar (M)	493,245	47,694	540,939	556,847	54,336	611,183
				Chhapar (M)		26,390	26,390		30,065	30,065
				Sujangarh (M)		135,695	135,695		154,591	154,591
		6	Taranagar	Taranagar (M)	273,562	43,626	317,188	308,837	49,701	358,538
			Total		**2,233,972**	**770,189**	**3,004,161**	**2,522,035**	**877,440**	**3,399,475**
12	Dausa	1	Bandikui	Bandikui (M)	447,825	87,093	534,918	505,273	108,718	613,991
		2	Dausa	Dausa (M)	509,871	167,619	677,490	575,278	209,239	784,517
		3	Lalsot	Lalsot (M)	479,585	67,006	546,591	541,107	83,644	624,751
		4	Mahwa	Mahwa (CT)	346,828	48,448	395,276	391,320	60,478	451,798
				Mandawar (CT)		23,321	23,321		29,112	29,112
		5	Sikrai		396,484	0	396,484	447,346	0	447,346
			Total		**2,180,593**	**393,487**	**2,574,080**	**2,460,324**	**491,191**	**2,951,515**
13	Dhaulpur	1	Bari	Bari (M)	266,918	115,536	382,454	298,659	139,765	438,424

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
		2	Baseri	Sarmathura (CT)	330,911	33,135	364,046	370,262	40,084	410,346
		3	Dholpur	Dhaulpur (M)	476,319	245,132	721,451	532,961	296,538	829,499
		4	Rajakhera	Rajakhera (M)	325,257	62,015	387,272	363,936	75,020	438,956
			Total		**1,399,405**	**455,818**	**1,855,223**	**1,565,818**	**551,407**	**2,117,225**
14	Dungarpur	1	Aspur		363,802	0	363,802	421,433	0	421,433
		2	Bichhiwara	Dungarpur (M)	544,492	67,626	612,118	630,746	70,063	700,809
		3	Dungarpur		317,412	0	317,412	367,694	0	367,694
		4	Sagwara	Sagwara (M)	396,997	41,731	438,728	459,886	43,235	503,121
		5	Simalwara	Galiakot (CT)	486,055	6,673	492,728	563,052	6,913	569,965
				Seemalwara (CT)		9,769	9,769		10,121	10,121
			Total		**2,108,758**	**125,799**	**2,234,557**	**2,442,811**	**130,332**	**2,573,143**
15	Ganganagar	1	Anupgarh	1 GB-A(CT)	230,318	9,801	240,119	246,839	11,107	257,946
				Anupgarh (M)		41,473	41,473		47,000	47,000
				Vijainagar (M)		24,747	24,747		28,045	28,045
		2	Ganganagar	3 E Village (CT)	233,527	16,298	249,825	250,278	18,470	268,748
				Ganganagar (M Cl)		319,379	319,379		361,946	361,946
		3	Gharsana	24 AS-C(CT)	256,613	8,930	265,543	275,020	10,120	285,140
				3 STR (CT)		15,670	15,670		17,758	17,758
				8 PSD-B(CT)		15,681	15,681		17,771	17,771
		4	Karanpur	Karanpur (M)	130,773	28,606	159,379	140,154	32,419	172,573
				Kesrisinghpur (M)		18,818	18,818		21,326	21,326
		5	Padampur	Gajsinghpur (M)	157,417	13,425	170,842	168,709	15,214	183,923
				Padampur (M)		24,741	24,741		28,038	28,038
		6	Raisinghnagar	Raisinghnagar (M)	197,060	38,052	235,112	211,196	43,124	254,320
		7	Sadulshahar	8 LLG(LALGARH) (CT)	181,230	15,260	196,490	194,230	17,294	211,524
				Sadulshahar (M)		33,553	33,553		38,025	38,025
		8	Suratgarh	Suratgarh (m)	293,547	94,742	388,289	314,604	107,369	421,973
			Total		**1,680,485**	**719,176**	**2,399,661**	**1,801,030**	**815,026**	**2,616,056**
16	Hanumangarh	1	Bhadra	Bhadra (M)	353,757	51,434	405,191	393,544	58,872	452,416

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
		2	Hanumangarh	Hanumangarh (M CL)	414,380	190,951	605,331	460,985	218,565	679,550
		3	Nohar	Nohar (M)	375,146	63,038	438,184	417,338	72,154	489,492
		4	Pilibanga	Pilibanga (M)	252,826	47,167	299,993	281,261	53,988	335,249
		5	Rawatsar	Rawatsar (M)	240,872	44,401	285,273	267,963	50,822	318,785
		6	Sangaria	Sangaria (M)	135,991	46,320	182,311	151,286	53,018	204,304
		7	Tibi		245,120	0	245,120	272,688	0	272,688
			Total		**2,018,092**	**443,311**	**2,461,403**	**2,245,065**	**507,419**	**2,752,484**
17	Jaipur	1	Amber	Akedadoongar (CT)	464,145	16,268	480,413	518,847	19,225	538,072
		2	Bassi	Baskhoh (CT)	341,492	20,017	361,509	381,739	23,656	405,395
				Bassi (CT)		46,727	46,727		55,221	55,221
				Kanota (CT)		20,196	20,196		23,867	23,867
		3	Chaksu	Chaksu (M)	276,199	60,017	336,216	308,751	70,927	379,678
		4	Dudu	Phulera (M)	511,585	46,838	558,423	571,879	55,352	627,231
		5	Govindgarh	Chomu (M)	468,831	115,640	584,471	524,086	136,661	660,747
				Govindgarh (CT)		13,886	13,886		16,410	16,410
		6	Jamwa Ramgarh	Jamwa Ramgarh (CT)	429,208	13,759	442,967	479,793	16,260	496,053
		7	Jhotwara	Bagrana (CT)	186,912	19,370	206,282	208,941	22,891	231,832
				Jaipur (M Corp)		5,468,415	5,468,415		6,462,451	6,462,451
		8	Kotputli	Kotputli (M)	429,320	88,326	517,646	479,918	104,382	584,300
		9	Phagi		277,540	0	277,540	310,250	0	310,250
		10	Sambhar	Jobner (M)	313,442	20,383	333,825	350,383	24,088	374,471
				Kishangarh Renwal (M)		52,421	52,421		61,950	61,950
				Sambhar (M)		40,082	40,082		47,368	47,368
		11	Sanganer	Bagru (M)	253,969	56,061	310,030	283,901	66,252	350,153
		12	Shahpura	Manoharpur (CT)	281,469	36,419	317,888	314,642	43,039	357,681
				Shahpura (M)		60,848	60,848		71,909	71,909
		13	Viratnagar	Viratnagar (M)	346,398	36,923	383,321	387,223	43,635	430,858
			Total		**4,580,510**	**6,232,596**	**10,813,106**	**5,120,353**	**7,365,544**	**12,485,897**

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
18	Jaisalmer		Jaisalmer	Jaisalmer (M)	353,950	72,256	426,206	417,045	83,126	500,171
			Sankra	Pokaran (M)	298,454	25,995	324,449	351,656	29,906	381,562
			Som		448,324	0	448,324	528,242	0	528,242
			Total		**1,100,728**	**98,251**	**1,198,979**	**1,296,943**	**113,032**	**1,409,975**
19	Jalore	1	Ahore	Ahore (CT)	312,638	28,059	340,697	357,537	35,799	393,336
		2	Bhinmal		339,856	0	339,856	388,664	0	388,664
		3	Chitalwana		439,993	0	439,993	503,181	0	503,181
		4	Jalore	Jalor (M)	260,910	89,965	350,875	298,380	114,782	413,162
		5	Jaswantpura	Bhinmal (M)	321,434	79,735	401,169	367,596	101,730	469,326
		6	Raniwara		337,082	0	337,082	385,491	0	385,491
		7	Sanchore	Sanchore (M)	300,860	54,687	355,547	344,067	69,772	413,839
		8	Sayla		420,269	0	420,269	480,625	0	480,625
			Total		**2,733,042**	**252,446**	**2,985,488**	**3,125,541**	**322,083**	**3,447,624**
20	Jhalawar	1	Bakani	Bakani (CT)	241,957	16,834	258,791	268,688	20,305	288,993
		2	Dag	Kolvi @ Mandi Rajendrapur (CT)	283,663	14,726	298,389	315,002	17,762	332,764
		3	Jhalrapatan	Bhawani Mandi (M)	353,389	72,541	425,930	392,431	87,499	479,930
				Jhalarpathan (M)		64,346	64,346		77,614	77,614
				Jhalawar (M)		114,807	114,807		138,480	138,480
		4	Khanpur	Khanpur (CT)	223,744	23,758	247,502	248,463	28,657	277,120
		5	ManoharThana	Aklera (M)	276,078	45,018	321,096	306,579	54,300	360,879
				Manoharthana (CT)		19,373	19,373		23,368	23,368
		6	Pirawa	Pirawa (M)	280,651	21,972	302,623	311,657	26,503	338,160
			Total		**1,659,482**	**393,375**	**2,052,857**	**1,842,820**	**474,488**	**2,317,308**
21	Jhunjhunu	1	Alsisar	Bissau (M)	199,639	33,661	233,300	214,970	38,814	253,784
		2	Buhana	Singhana (CT)	254,564	16,480	271,044	274,113	19,003	293,116
		3	Chirawa	Chirawa (M)	163,886	63,699	227,585	176,472	73,451	249,923
		4	Jhunjhunun	Baggar (M)	195,216	20,634	215,850	210,208	23,793	234,001
				Islampur (CT)		14,851	14,851		17,125	17,125

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
				Jhunjhunun (M CL)		171,696	171,696		197,982	197,982
				Malsisar (CT)		19,882	19,882		22,926	22,926
				Mandawa (M)		33,818	33,818		38,995	38,995
				Nooan (CT)		8,767	8,767		10,109	10,109
		5	Khetri	Babai (CT)	278,757	15,390	294,147	300,164	17,746	317,910
				Gothra (CT)		24,540	24,540		28,297	28,297
				Khetri (M)		26,389	26,389		30,429	30,429
		6	Nawalgarh	Mukandgarh (M)	293,238	26,765	320,003	315,757	30,863	346,620
				Nawalgarh (M)		92,676	92,676		106,865	106,865
		7	Surajgarh	Pilani (M)	274,427	43,102	317,529	295,502	49,701	345,203
				Surajgarh (M)		31,399	31,399		36,206	36,206
				Vidyavihar (M)		22,671	22,671		26,142	26,142
		8	Udaipurwati	Udaipurwati (M)	318,796	42,370	361,166	343,278	48,857	392,135
			Total		**1,978,523**	**708,790**	**2,687,313**	**2,130,464**	**817,304**	**2,947,768**
22	Jodhpur	1	Balesar		363,657	0	363,657	418,139	0	418,139
		2	Bap		495,824	0	495,824	570,106	0	570,106
		3	Bawari		302,250	0	302,250	347,532	0	347,532
		4	Bhopalgarh		404,044	0	404,044	464,576	0	464,576
		5	Bilara	Bilara (M)	347,818	66,285	414,103	399,927	78,306	478,233
				Pipar City (M)		61,631	61,631		72,808	72,808
		6	Luni	Kuri Bhagtasani (CT)	443,735	64,342	508,077	510,213	76,011	586,224
				Sangariya (CT)		38,262	38,262		45,201	45,201
		7	Mandore	Jodhpur (M Corp. + OG)	329,928	1,768,369	2,098,297	379,356	2,089,066	2,468,422
				Nandri (CT)		34,870	34,870		41,194	41,194
		8	Osian		610,567	0	610,567	702,039	0	702,039
		9	Phalodi	Phalodi (M + OG)	366,179	83,570	449,749	421,038	98,726	519,764
		10	Shergarh		393,644	0	393,644	452,618	0	452,618
			Total		**4,057,646**	**2,117,329**	**6,174,975**	**4,665,544**	**2,501,312**	**7,166,856**
23	Karauli	1	Hindaun	Hindaun (M)	469,713	159,483	629,196	526,701	190,769	717,470

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
		2	Karauli	Karauli (M)	392,632	125,466	518,098	440,268	150,079	590,347
		3	Nadoti		222,594	0	222,594	249,600	0	249,600
		4	Sapotra	Sapotra (CT)	407,802	10,158	417,960	457,278	12,151	469,429
		5	Todabhim	Todabhim (M)	336,628	34,750	371,378	377,469	41,567	419,036
			Total		**1,829,369**	**329,857**	**2,159,226**	**2,051,316**	**394,566**	**2,445,882**
24	Kota	1	Itawa		205,650	0	205,650	219,347	0	219,347
		2	Khairabad	Chechat (CT)	164,297	21,880	186,177	175,239	25,827	201,066
				Khairabad (CT)		22,447	22,447		26,496	26,496
				Kumbhkot (CT)		12,357	12,357		14,586	14,586
				Modak (CT)		17,227	17,227		20,335	20,335
				Ramganj Mandi (M)		77,354	77,354		91,308	91,308
				Satalkheri (CT)		29,230	29,230		34,503	34,503
				Suket (CT)		41,775	41,775		49,311	49,311
				Udpura (CT)		18,813	18,813		22,207	22,207
		3	Ladpura	Kaithoon (M)	134,780	45,408	180,188	143,757	53,599	197,356
				Kota (M Corp.)		1,874,880	1,874,880		2,213,097	2,213,097
		4	Sangod	Sangod (M)	188,029	40,890	228,919	200,552	48,266	248,818
		5	Sultanpur		192,994	0	192,994	205,848	0	205,848
			Total		**885,750**	**2,202,261**	**3,088,011**	**944,743**	**2,599,535**	**3,544,278**
25	Nagaur	1	Degana	Goredi Chancha (CT)	309,557	17,871	327,428	343,078	21,334	364,412
				Jhagarwas (CT)		9,608	9,608		11,470	11,470
		2	Didwana	Didwana (M + OG)	477,173	90,152	567,325	528,845	107,620	636,465
		3	Jayal		373,983	0	373,983	414,481	0	414,481
		4	Kuchaman city	Kuchaman City (M)	446,033	103,940	549,973	494,333	124,080	618,413
				Nawa (M)		37,048	37,048		44,227	44,227
		5	Ladnu	Ladnu (M)	260,468	109,989	370,457	288,673	131,301	419,974
		6	Makrana	Borawar (CT)	285,942	41,890	327,832	316,906	50,007	366,913
				Makrana (M)		158,482	158,482		189,190	189,190
				Makrana Village (CT)		36,578	36,578		43,666	43,666

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
		7	Merta	Gothan (CT)	287,708	29,688	317,396	318,863	35,441	354,304
				Merta City (M)		77,272	77,272		92,245	92,245
				Merta Road (CT)		28,354	28,354		33,848	33,848
		8	Mundwa	Kuchera (M)	364,578	39,363	403,941	404,057	46,990	451,047
				Mundwa (M)		28,297	28,297		33,780	33,780
		9	Nagaur	Basni Belima (CT)	382,663	48,954	431,617	424,101	58,440	482,541
				Chenar Village (CT)		9,358	9,358		11,171	11,171
				Nagaur (M + OG)		176,481	176,481		210,677	210,677
		10	Parbatsar	Parbatsar (M)	290,329	25,448	315,777	321,768	30,379	352,147
		11	Riyan		234,007	0	234,007	259,347	0	259,347
			Total		**3,712,441**	**1,068,773**	**4,781,214**	**4,114,452**	**1,275,866**	**5,390,318**
26	Pali	1	Bali	Bali (M)	272,825	26,436	299,261	295,868	30,178	326,046
				Falna (M)		33,031	33,031		37,707	37,707
		2	Desuri	Sadri (M)	146,283	36,423	182,706	158,638	41,579	200,217
		3	Jaitaran	Jaitaran (M)	254,122	30,081	284,203	275,586	34,339	309,925
		4	Marwar Junction	Marwar Junction (CT)	232,736	15,963	248,699	252,393	18,223	270,616
		5	Pali	Pali (M CL)	141,173	305,952	447,125	153,097	349,263	502,360
		6	Raipur		255,490	0	255,490	277,069	0	277,069
		7	Rani	Rani (M)	125,025	18,458	143,483	135,585	21,071	156,656
		8	Rohat		150,569	0	150,569	163,286	0	163,286
		9	Sojat	Sojat (M)	205,831	57,211	263,042	223,216	65,310	288,526
				Sojat Road (CT)		16,586	16,586		18,934	18,934
		10	Sumerpur	Sumerpur (M)	179,622	49,326	228,948	194,793	56,309	251,102
				Takhatgarh (M)		22,246	22,246		25,395	25,395
			Total		**1,963,676**	**611,713**	**2,575,389**	**2,129,531**	**698,308**	**2,827,839**
27	Pratapgarh	1	Arnod		223,296	0	223,296	253,913	0	253,913
		2	Chhoti Sadri	Chhoti Sadri (M)	183,226	19,387	202,613	208,348	23,555	231,903
		3	Dhariawad	Dhariawad (CT)	282,644	12,004	294,648	321,398	14,585	335,983

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
		4	Peepalkhoont		243,943	0	243,943	277,390	0	277,390
		5	Pratapgarh	Pratapgarh (M)	327,342	44,433	371,775	372,224	53,985	426,209
			Total		**1,260,451**	**75,824**	**1,336,275**	**1,433,273**	**92,125**	**1,525,398**
28	Rajsamand	1	Amet	Amet (M)	125,175	31,168	156,343	137,270	37,633	174,903
				Sardargarh (CT)		11,867	11,867		14,329	14,329
		2	Bhim	Bhim (CT)	210,071	20,800	230,871	230,370	25,115	255,485
		3	Deogarh	Deogarh (M)	122,678	31,652	154,330	134,532	38,218	172,750
		4	Khamnor	Delwara (CT)	261,228	7,963	269,191	286,470	9,615	296,085
				Nathdwara (M)		75,545	75,545		91,215	91,215
		5	Kumbhalgarh		190,015	0	190,015	208,376	0	208,376
		6	Railmagra		173,638	0	173,638	190,416	0	190,416
		7	Rajsamand	Emri (CT)	198,764	8,555	207,319	217,970	10,330	228,300
				Kelwa (CT)		21,058	21,058		25,426	25,426
				Rajsamand (M)		121,902	121,902		147,188	147,188
			Total		**1,281,569**	**330,510**	**1,612,079**	**1,405,404**	**399,069**	**1,804,473**
29	Sawai Madhopur	1	Bamanwas		247,374	0	247,374	276,116	0	276,116
		2	Bonli	Kasba Bonli (CT)	336,042	23,103	359,145	375,086	27,199	402,285
		3	Gangapur	Gangapur City (M)	312,089	179,825	491,914	348,350	211,708	560,058
				Mahu Kalan (CT)		16,566	16,566		19,503	19,503
		4	Khander		291,059	0	291,059	324,876	0	324,876
		5	Sawai Madhopur	Sawai Madhopur (M)	354,167	182,869	537,036	395,316	215,292	610,608
			Total		**1,540,731**	**402,363**	**1,943,094**	**1,719,744**	**473,702**	**2,193,446**
30	Sikar	1	Danta Ramgarh	Bay (CT)	410,494	10,001	420,495	448,876	11,815	460,691
				Danta (CT)		26,273	26,273		31,039	31,039
				Losal (M)		48,024	48,024		56,736	56,736
				Ramgarh (CT)		13,350	13,350		15,772	15,772
		2	Dhond		324,411	0	324,411	354,744	0	354,744

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
		3	Fatehpur	Fatehpur (M)	283,459	156,008	439,467	309,963	184,309	494,272
				Ramgarh (M)		55,640	55,640		65,733	65,733
		4	Khandela	Kanwat (CT)	352,506	13,315	365,821	385,466	15,730	401,196
				Khandela (M + OG)		48,934	48,934		57,811	57,811
		5	Lachhmangarh	Lachhmangarh (M)	297,702	89,957	387,659	325,538	106,276	431,814
		6	Neem Ka Thana	Guhala (CT)	463,982	10,687	474,669	507,365	12,626	519,991
				Neem-Ka-Thana (M)		61,044	61,044		72,118	72,118
		7	Piprali	Sikar (M Cl + OG)	258,463	411,938	670,401	282,630	486,666	769,296
		8	Sri Madhopur	Ajeetgarh (CT)	262,258	25,970	288,228	286,780	30,681	317,461
				Reengus (M)		44,040	44,040		52,029	52,029
				Sri Madhopur (M)		52,846	52,846		62,433	62,433
			Total		**2,653,275**	**1,068,027**	**3,721,302**	**2,901,362**	**1,261,774**	**4,163,136**
31	Sirohi	1	Abu Road	Abu Road (M + OG)	196,966	99,881	296,847	219,849	120,407	340,256
				Mount Abu (M)		41,216	41,216		49,686	49,686
				Santpur (Rural) (CT)		16,503	16,503		19,895	19,895
		2	Pindwara	Bhavri (CT)	319,765	27,508	347,273	356,915	33,161	390,076
				Pindwara (M)		43,990	43,990		53,030	53,030
		3	Reodar	Reodar (CT)	308,011	14,581	322,592	343,795	17,578	361,373
		4	Sheoganj	Sheoganj (M + OG)	164,686	50,396	215,082	183,819	60,753	244,572
		5	Sirohi	Goyli (CT)	203,374	10,290	213,664	227,002	12,405	239,407
				Sirohi (M)		70,474	70,474		84,957	84,957
			Total		**1,192,802**	**374,839**	**1,567,641**	**1,331,380**	**451,872**	**1,783,252**
32	Tonk	1	Deoli	Deoli (M)	262,075	33,459	295,534	289,309	39,131	328,440
		2	Malpura	Malpura (M)	279,159	54,633	333,792	308,169	63,895	372,064
		3	Niwai	Banasthali (CT)	265,950	19,462	285,412	293,587	22,761	316,348
				Niwai (M)		57,267	57,267		66,975	66,975
		4	Todaraisingh	Todaraisingh (M)	168,016	35,725	203,741	185,476	41,781	227,257
		5	Tonk	Tonk (M CL)	325,862	250,651	576,513	359,725	293,143	652,868

S. No.	District	S. No.	Block	Town	Population 2040			Population 2060		
					Rural	Urban	Total	Rural	Urban	Total
		6	Uniara	Aligarh (CT)	202,640	11,564	214,204	223,698	13,524	237,222
				Uniara (M)		19,033	19,033		22,260	22,260
			Total		**1,503,702**	**481,794**	**1,985,496**	**1,659,964**	**563,470**	**2,223,434**
33	Udaipur	1	Bargaon	Bargaon (Rural) (CT)	158,256	14,269	172,525	179,221	16,931	196,152
				Bedla (CT)		8,950	8,950		10,620	10,620
				Bhuwana (CT)		27,420	27,420		32,535	32,535
		2	Bhindar	Bhinder (M)	373,108	27,751	400,859	422,536	32,928	455,464
				Kanor (M)		20,550	20,550		24,383	24,383
		3	Girwa	Bichhri (CT)	477,823	6,667	484,490	541,123	7,911	549,034
				Udaipur (M CL)		700,219	700,219		830,840	830,840
		4	Gogunda	Gogunda (CT)	319,808	13,583	333,391	362,175	16,117	378,292
		5	Jhadol		386,655	0	386,655	437,877	0	437,877
		6	Kherwara	Kherwara Chhaoni (CT)	308,949	11,768	320,717	349,877	13,963	363,840
		7	Kotra		357,550	0	357,550	404,917	0	404,917
		8	Lasadiya		141,494	0	141,494	160,238	0	160,238
		9	Mavli	Fatehnagar (M)	343,284	35,410	378,694	388,761	42,015	430,776
				Mavli (CT)		14,279	14,279		16,943	16,943
		10	Rishabhdeo	Rishabhdeo (CT)	253,995	14,235	268,230	287,643	16,890	304,533
		11	Salumbar	Salumbar (M)	359,692	25,496	385,188	407,342	30,252	437,594
		12	Sarda	Bhalariya (CT)	334,792	6,150	340,942	379,144	7,297	386,441
				Chawand (CT)		6,601	6,601		7,832	7,832
				Newa Talai (CT)		3,920	3,920		4,651	4,651
				Semari (CT)		7,159	7,159		8,494	8,494
			Total		**3,815,406**	**944,427**	**4,759,833**	**4,320,854**	**1,120,602**	**5,441,456**
			State Total		**75,843,943**	**27,626,864**	**103,470,807**	**85,177,312**	**32,589,289**	**117,766,601**

Source: Census 2011 and Consultants Projections

Table B-3.11 Net Domestic Water Demand-Present and Projected

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
1	Ajmer	1	Arain	Sarwar (M)	2.42	1.00	3.42	4.94	1.15	6.09
		2	Bhinay		2.61	0.00	2.61	5.32	0.00	5.32
		3	Jawaja	Beawar (M CL)	2.80	7.45	10.25	5.72	8.50	14.22
		4	Kekri	Kekri (M)	2.35	2.06	4.41	4.79	2.35	7.14
		5	Kishangarh	Kishangarh (M CL)	2.63	7.63	10.26	5.36	8.71	14.07
		6	Masuda	Baral (CT)	2.71	0.23	2.94	5.53	0.26	5.79
				Vijainagar (M)		1.58	1.58		1.81	1.81
		7	Peesangan	Ajmer (M Corp)	7.29	26.72	34.01	12.15	33.87	46.02
				Pushkar (M)		1.07	1.07		1.22	1.22
				Boraj-Kazipura (CT)		0.32	0.32		0.37	0.37
				Nasirabad (CB)		2.50	2.50		2.86	2.86
		8	Srinagar	Badlya (CT)	5.10	0.19	5.29	8.50	0.21	8.71
			Total		**27.91**	**50.75**	**78.66**	**52.31**	**61.31**	**113.62**
2	Alwar	1	Bansur		3.85	0.00	3.85	7.84	0.00	7.84
		2	Behror	Behror (M)	2.17	1.46	3.63	4.42	1.95	6.37
		3	Kathumar	Kherli (M)	3.69	0.64	4.33	7.51	1.17	8.68
		4	Kishangarh Bas	Khairthal (M)	4.77	1.89	6.66	7.92	2.53	10.45
				Kishangarh (CT)		0.45	0.45		0.61	0.61
		5	Kotkasim		2.01	0.00	2.01	4.08	0.00	4.08
		6	Lachhmangarh	Govindgarh (CT)	3.90	0.42	4.32	7.94	0.57	8.51
		7	Mandawar		3.38	0.00	3.38	6.88	0.00	6.88
		8	Nimarana	Neemrana (CT)	2.39	0.26	2.65	4.87	0.35	5.22
				Shahjahanpur (CT)		0.36	0.36		0.48	0.48
		9	Rajgarh	Rajgarh (M)	3.19	1.31	4.50	6.50	1.76	8.26
		10	Ramgarh	Ramgarh (CT)	3.61	0.49	4.10	7.36	0.66	8.02

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Desoola (CT)		0.27	0.27		0.36	0.36
		11	Reni		1.62	0.00	1.62	3.31	0.00	3.31
		12	Thanagazi		3.41	0.00	3.41	6.94	0.00	6.94
		13	Tijara	Bhiwadi (M)	3.76	5.17	8.93	7.65	6.93	14.58
				Tapookra (CT)		0.35	0.35		0.46	0.46
				Tijara (M)		1.22	1.22		1.64	1.64
		14	Umren	Alwar (M CL)	4.37	15.89	20.26	8.90	21.32	30.22
				Bhoogar (CT)		0.28	0.28		0.38	0.38
				Diwakari (CT)		0.41	0.41		0.55	0.55
			Total		**46.12**	**30.87**	**76.99**	**92.12**	**41.72**	**133.84**
3	Banswara	1	Anandpur		2.20	0.00	2.20	4.83	0.00	4.83
		2	Bagidora		3.25	0.00	3.25	7.13	0.00	7.13
		3	Banswara	Banswara (M)	3.47	4.98	8.45	7.62	5.05	12.67
		4	Choti Sarwan		1.75	0.00	1.75	3.83	0.00	3.83
		5	Ghari	Garhi (CT)	4.13	0.19	4.32	9.05	0.19	9.24
				Partapur (CT)		0.39	0.39		0.40	0.40
		6	Ghatol		4.19	0.00	4.19	9.19	0.00	9.19
		7	Kushalgarh	Kushalgarh (M)	3.40	0.39	3.79	7.45	0.40	7.85
		8	Sajjangarh		1.98	0.00	1.98	4.34	0.00	4.34
			Total		**24.37**	**5.95**	**30.32**	**53.44**	**6.04**	**59.48**
4	Baran	1	Antah	Antah (M)	2.48	1.60	4.08	4.88	2.11	6.99
				Mangrol (M)		1.24	1.24		1.64	1.64
		2	Atru	Atru (CT)	1.79	0.41	2.20	3.52	0.54	4.06
				Kawai (CT)		0.35	0.35		0.46	0.46
				Kherliganj (CT)		0.26	0.26		0.34	0.34
		3	Baran	Baran (M)	1.40	5.81	7.21	2.75	7.69	10.44
		4	Chhabra	Chhabra (M)	1.75	1.59	3.34	3.46	2.11	5.57
		5	Chhipabarod	Chhipabarod (CT)	2.22	0.69	2.91	4.38	1.23	5.61

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		6	Kishanganj		2.44	0.00	2.44	4.80	0.00	4.80
		7	Shahbad		2.07	0.00	2.07	4.09	0.00	4.09
			Total		**14.15**	**11.95**	**26.10**	**27.88**	**16.12**	**44.00**
5	Barmer	1	Balotra	Balotra (M)	8.90	3.67	12.57	16.48	3.91	20.39
		2	Barmer	Barmer (M)	8.61	4.74	13.35	15.95	5.05	21.00
		3	Baytoo	Utarlai (CT)	7.39	0.17	7.56	13.70	0.18	13.88
		4	Chohtan		8.61	0.00	8.61	15.94	0.00	15.94
		5	Dhorimanna	Dhorimanna (CT)	7.47	0.24	7.71	13.83	0.25	14.08
		6	Sheo		6.06	0.00	6.06	11.22	0.00	11.22
		7	Sindhari		7.88	0.00	7.88	14.59	0.00	14.59
		8	Siwana		6.96	0.00	6.96	12.90	0.00	12.90
			Total		**61.88**	**8.82**	**70.70**	**114.61**	**9.39**	**124.00**
6	Bharatpur	1	Bayana	Bayana (M)	3.29	1.90	5.19	6.86	2.16	9.02
				Bayana (Rural) (CT)		0.21	0.21		0.24	0.24
		2	Deeg	Deeg (M)	2.65	2.22	4.87	5.54	2.52	8.06
		3	Kaman	Kaman (M)	4.13	1.87	6.00	8.63	2.13	10.76
		4	Kumher	Kumher (M)	2.60	1.16	3.76	5.42	1.32	6.74
		5	Nadbai	Nadbai (M)	2.76	1.30	4.06	5.75	1.48	7.23
		6	Nagar	Nagar (M)	4.35	1.26	5.61	9.08	1.43	10.51
		7	Rupbas		3.77	0.00	3.77	7.86	0.00	7.86
		8	Sewar	Bharatpur (M CL)	2.92	12.46	15.38	6.10	14.17	20.27
		9	Weir	Bhusawar (M)	3.52	0.73	4.25	7.34	1.12	8.46
				Weir (M)		0.71	0.71		1.09	1.09
			Total		**29.99**	**23.82**	**53.81**	**62.58**	**27.66**	**90.24**
7	Bhilwara		Asind	Asind (M)	3.47	0.61	4.08	7.09	0.71	7.80
			Banera		1.81	0.00	1.81	3.69	0.00	3.69
			Hurda	Gulabpura (M)	1.63	1.34	2.97	3.32	1.56	4.88
			Jahazpur	Jahazpur (M)	2.88	1.01	3.89	5.88	1.18	7.06

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
			Kotri		2.55	0.00	2.55	5.21	0.00	5.21
			Mandal		3.44	0.00	3.44	7.03	0.00	7.03
			Mandalgarh	Bijoliya Kalan (CT)	3.48	0.52	4.00	7.11	0.60	7.71
				Mandalgarh (M)		0.51	0.51		0.59	0.59
			Raipur		1.43	0.00	1.43	2.92	0.00	2.92
			Sahara	Gangapur (M)	1.70	0.69	2.39	3.47	1.08	4.55
			Shahpura	Shahpura (M)	2.58	1.49	4.07	5.27	1.74	7.01
			Suwana	Bhilwara (M CL)	2.72	17.71	20.43	5.57	20.61	26.18
				Hameer Garh (CT)		0.43	0.43		0.50	0.50
			Total		**27.69**	**24.31**	**52.00**	**56.56**	**28.57**	**85.13**
8	Bikaner	1	Bikaner	Bikaner (M.Corp)	6.90	31.75	38.65	11.98	42.15	54.13
				Deshnoke (M)		0.67	0.67		1.09	1.09
		2	Dungargarh	Dungargarh (M)	6.16	2.63	8.79	10.69	3.14	13.83
		3	Khajuwala	Beriyawali (CT)	2.43	0.43	2.86	5.17	0.52	5.69
		4	Kolayat	Kolayat (CT)	6.42	0.35	6.77	11.15	0.42	11.57
		5	Lunkaransar		6.65	0.00	6.65	11.55	0.00	11.55
		6	Nokha	Nokha (M)	9.56	3.09	12.65	16.60	3.69	20.29
			Total		**38.12**	**38.92**	**77.04**	**67.14**	**51.01**	**118.15**
9	Bundi	1	Bundi	Bundi (M)	2.22	5.17	7.39	4.35	6.00	10.35
		2	Hindoli		3.21	0.00	3.21	6.30	0.00	6.30
		3	Keshoraipatan	Indragarh (M)	2.86	0.27	3.13	5.61	0.32	5.93
				Kaprain (M)		1.02	1.02		1.19	1.19
				Keshoraipatan (M)		1.21	1.21		1.41	1.41
				Lakheri (M)		1.46	1.46		1.69	1.69
				Sumerganj Mandi (CT)		0.13	0.13		0.15	0.15
		4	Nainwa	Nainwa (M)	2.58	0.71	3.29	5.06	1.11	6.17
		5	Talera	Budhpura (CT)	2.11	0.19	2.30	4.13	0.21	4.34
				Talera (CT)		0.26	0.26		0.31	0.31

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
			Total		**12.98**	**10.42**	**23.40**	**25.45**	**12.39**	**37.84**
10	Chittaurgarh	1	Badi Sadri	Bari Sadri (M)	1.47	0.57	2.04	2.92	0.65	3.57
		2	Bainsrorgarh	Rawatbhata (M)	1.45	1.86	3.31	2.88	2.09	4.97
		3	Begun	Begun (M)	1.72	1.02	2.74	3.43	1.15	4.58
		4	Bhadesar		1.81	0.00	1.81	3.60	0.00	3.60
		5	Bhopalsagar		1.18	0.00	1.18	2.36	0.00	2.36
		6	Chittorgarh	Chittaurgarh (M)	2.69	5.74	8.43	5.35	6.47	11.82
				Sawa (CT)		0.44	0.44		0.49	0.49
		7	Dungla		1.53	0.00	1.53	3.04	0.00	3.04
		8	Gangrar		1.52	0.00	1.52	3.02	0.00	3.02
		9	Kapasan	Kapasan (M)	1.42	1.03	2.45	2.83	1.16	3.99
		10	Nimbahera	Nimbahera (M)	2.30	3.05	5.35	4.59	3.44	8.03
		11	Rashmi		1.29	0.00	1.29	2.58	0.00	2.58
			Total		**18.38**	**13.71**	**32.09**	**36.60**	**15.45**	**52.05**
11	Churu	1	Churu	Churu (M CL)	4.54	5.92	10.46	7.74	6.63	14.37
				Ratannagar (M)		0.47	0.47		0.52	0.52
		2	Rajgarh	Rajgarh (M)	7.75	2.92	10.67	13.22	3.27	16.49
		3	Ratangarh	Rajaldesar (M)	4.94	1.35	6.29	8.43	1.51	9.94
				Ratangarh (M)		3.50	3.50		3.92	3.92
		4	Sardarshahar	Sardarshahar (M)	7.32	4.73	12.05	12.48	5.29	17.77
		5	Sujangarh	Bidasar (M)	8.25	1.76	10.01	14.08	1.97	16.05
				Chhapar (M)		0.72	0.72		1.09	1.09
				Sujangarh (M)		5.00	5.00		5.60	5.60
		6	Taranagar	Taranagar (M)	4.58	1.61	6.19	7.81	1.80	9.61
			Total		**37.38**	**27.98**	**65.36**	**63.76**	**31.60**	**95.36**
12	Dausa	1	Bandikui	Bandikui (M)	4.30	2.20	6.50	8.96	2.88	11.84
		2	Dausa	Dausa (M)	4.89	4.24	9.13	10.20	5.55	15.75
		3	Lalsot	Lalsot (M)	4.60	1.69	6.29	9.60	2.22	11.82

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		4	Mahwa	Mahwa (CT)	3.33	1.22	4.55	6.94	1.60	8.54
				Mandawar (CT)		0.44	0.44		0.57	0.57
		5	Sikrai		3.80	0.00	3.80	7.93	0.00	7.93
			Total		**20.92**	**9.79**	**30.71**	**43.63**	**12.82**	**56.45**
13	Dhaulpur	1	Bari	Bari (M)	2.67	3.09	5.76	5.47	3.97	9.44
		2	Baseri	Sarmathura (CT)	3.31	0.66	3.97	6.78	1.14	7.92
		3	Dholpur	Dhaulpur (M)	4.77	6.56	11.33	9.76	8.43	18.19
		4	Rajakhera	Rajakhera (M)	3.25	1.66	4.91	6.67	2.13	8.80
			Total		**14.00**	**11.97**	**25.97**	**28.68**	**15.67**	**44.35**
14	Dungarpur	1	Aspur		3.27	0.00	3.27	6.99	0.00	6.99
		2	Bichhiwara	Dungarpur (M)	4.90	2.35	7.25	10.46	2.81	13.27
		3	Dungarpur		2.86	0.00	2.86	6.09	0.00	6.09
		4	Sagwara	Sagwara (M)	3.57	1.45	5.02	7.62	1.73	9.35
		5	Simalwara	Galiakot (CT)	4.37	0.17	4.54	9.33	0.21	9.54
				Seemalwara (CT)		0.25	0.25		0.30	0.30
			Total		**18.97**	**4.22**	**23.19**	**40.49**	**5.05**	**45.54**
15	Ganganagar	1	Anupgarh	1 GB-A(CT)	2.87	0.27	3.14	5.35	0.30	5.65
				Anupgarh (M)		1.52	1.52		1.71	1.71
				Vijainagar (M)		0.67	0.67		1.02	1.02
		2	Ganganagar	3 E Village (CT)	2.91	0.44	3.35	5.43	0.50	5.93
				Ganganagar (M Cl)		11.72	11.72		13.15	13.15
		3	Gharsana	24 AS-C(CT)	3.20	0.24	3.44	5.96	0.27	6.23
				3 STR (CT)		0.43	0.43		0.48	0.48
				8 PSD-B(CT)		0.43	0.43		0.48	0.48
		4	Karanpur	Karanpur (M)	1.63	1.05	2.68	3.04	1.18	4.22
				Kesrisinghpur (M)		0.51	0.51		0.57	0.57
		5	Padampur	Gajsinghpur (M)	1.96	0.36	2.32	3.66	0.41	4.07
				Padampur (M)		0.67	0.67		1.02	1.02

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		6	Raisinghnagar	Raisinghnagar (M)	2.45	1.40	3.85	4.58	1.57	6.15
		7	Sadulshahar	8 LLG(LALGARH) (CT)	2.26	0.41	2.67	4.21	0.47	4.68
				Sadulshahar (M)		1.23	1.23		1.38	1.38
		8	Suratgarh	Suratgarh (m)	3.66	3.48	7.14	6.82	3.90	10.72
			Total		**20.94**	**24.83**	**45.77**	**39.05**	**28.41**	**67.46**
16	Hanumangarh	1	Bhadra	Bhadra (M)	6.38	2.00	8.38	10.54	2.18	12.72
		2	Hanumangarh	Hanumangarh (M CL)	4.27	7.44	11.71	8.64	8.10	16.74
		3	Nohar	Nohar (M)	6.76	2.46	9.22	11.17	2.67	13.84
		4	Pilibanga	Pilibanga (M)	2.61	1.84	4.45	5.27	2.00	7.27
		5	Rawatsar	Rawatsar (M)	2.48	1.73	4.21	5.02	1.88	6.90
		6	Sangaria	Sangaria (M)	1.40	1.80	3.20	2.83	1.96	4.79
		7	Tibi		2.53	0.00	2.53	5.11	0.00	5.11
			Total		**26.43**	**17.27**	**43.70**	**48.58**	**18.79**	**67.37**
17	Jaipur	1	Amber	Akedadoongar (CT)	4.67	0.33	5.00	9.54	0.42	9.96
		2	Bassi	Baskhoh (CT)	3.43	0.41	3.84	7.02	0.52	7.54
				Bassi (CT)		1.28	1.28		1.64	1.64
				Kanota (CT)		0.41	0.41		0.52	0.52
		3	Chaksu	Chaksu (M)	2.78	1.65	4.43	5.68	2.10	7.78
		4	Dudu	Phulera (M)	9.00	1.29	10.29	15.02	1.64	16.66
		5	Govindgarh	Chomu (M)	4.71	3.17	7.88	9.64	4.05	13.69
				Govindgarh (CT)		0.28	0.28		0.36	0.36
		6	Jamwa Ramgarh	Jamwa Ramgarh (CT)	4.32	0.28	4.60	8.82	0.36	9.18
		7	Jhotwara	Bagrana (CT)	1.88	0.39	2.27	3.84	0.50	4.34
				Jaipur (M Corp)		150.10	150.10		212.91	212.91
		8	Kotputli	Kotputli (M)	4.32	2.42	6.74	8.83	3.10	11.93
		9	Phagi		2.79	0.00	2.79	5.71	0.00	5.71
		10	Sambhar	Jobner (M)	3.15	0.41	3.56	6.44	0.53	6.97

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Kishangarh Renwal (M)		1.44	1.44		1.84	1.84
				Sambhar (M)		1.10	1.10		1.40	1.40
		11	Sanganer	Bagru (M)	2.55	1.54	4.09	5.22	1.96	7.18
		12	Shahpura	Manoharpur (CT)	2.83	1.00	3.83	5.79	1.28	7.07
				Shahpura (M)		1.67	1.67		2.13	2.13
		13	Viratnagar	Viratnagar (M)	3.48	1.01	4.49	7.12	1.29	8.41
			Total		**49.91**	**170.18**	**220.09**	**98.67**	**238.55**	**337.22**
18	Jaisalmer		Jaisalmer	Jaisalmer (M)	4.77	3.23	8.00	8.92	3.38	12.30
			Sankra	Pokaran (M)	4.02	1.16	5.18	7.52	1.22	8.74
			Som		6.05	0.00	6.05	11.30	0.00	11.30
			Total		**14.84**	**4.39**	**19.23**	**27.74**	**4.60**	**32.34**
19	Jalore	1	Ahore	Ahore (CT)	4.90	0.62	5.52	8.59	1.00	9.59
		2	Bhinmal		5.33	0.00	5.33	9.34	0.00	9.34
		3	Chitalwana		3.94	0.00	3.94	8.47	0.00	8.47
		4	Jalore	Jalor (M)	4.09	2.66	6.75	7.17	3.21	10.38
		5	Jaswantpura	Bhinmal (M)	5.04	2.36	7.40	8.84	2.84	11.68
		6	Raniwara		5.28	0.00	5.28	9.27	0.00	9.27
		7	Sanchore	Sanchore (M)	4.72	1.62	6.34	8.27	1.95	10.22
		8	Sayla		6.59	0.00	6.59	11.55	0.00	11.55
			Total		**39.89**	**7.26**	**47.15**	**71.50**	**9.00**	**80.50**
20	Jhalawar	1	Bakani	Bakani (CT)	2.52	0.36	2.88	5.07	0.44	5.51
		2	Dag	Kolvi @ Mandi Rajendrapur (CT)	2.95	0.31	3.26	5.94	0.39	6.33
		3	Jhalrapatan	Bhawani Mandi (M)	3.67	2.08	5.75	7.41	2.59	10.00
				Jhalarpathan (M)		1.85	1.85		2.30	2.30
				Jhalawar (M)		3.30	3.30		4.10	4.10
		4	Khanpur	Khanpur (CT)	2.33	0.51	2.84	4.69	0.63	5.32
		5	ManoharThana	Aklera (M)	2.87	1.29	4.16	5.79	1.61	7.40

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Manoharthana (CT)		0.41	0.41		0.51	0.51
		6	Pirawa	Pirawa (M)	2.92	0.47	3.39	5.88	0.58	6.46
			Total		**17.26**	**10.58**	**27.84**	**34.78**	**13.15**	**47.93**
21	Jhunjhunu	1	Alsisar	Bissau (M)	4.25	1.14	5.39	6.54	1.33	7.87
		2	Buhana	Singhana (CT)	5.42	0.42	5.84	8.34	0.48	8.82
		3	Chirawa	Chirawa (M)	3.49	2.17	5.66	5.37	2.51	7.88
		4	Jhunjhunun	Baggar (M)	4.15	0.52	4.67	6.39	0.60	6.99
				Islampur (CT)		0.37	0.37		0.43	0.43
				Jhunjhunun (M CL)		5.84	5.84		6.77	6.77
				Malsisar (CT)		0.50	0.50		0.58	0.58
				Mandawa (M)		1.15	1.15		1.33	1.33
				Nooan (CT)		0.22	0.22		0.26	0.26
		5	Khetri	Babai (CT)	5.93	0.39	6.32	9.13	0.45	9.58
				Gothra (CT)		0.62	0.62		0.72	0.72
				Khetri (M)		0.66	0.66		1.04	1.04
		6	Nawalgarh	Mukandgarh (M)	6.24	0.67	6.91	9.60	1.06	10.66
				Nawalgarh (M)		3.15	3.15		3.65	3.65
		7	Surajgarh	Pilani (M)	5.84	1.47	7.31	8.99	1.70	10.69
				Surajgarh (M)		1.07	1.07		1.24	1.24
				Vidyavihar (M)		0.57	0.57		0.66	0.66
		8	Udaipurwati	Udaipurwati (M)	6.78	1.44	8.22	10.44	1.67	12.11
			Total		**42.10**	**22.37**	**64.47**	**64.80**	**26.48**	**91.28**
22	Jodhpur	1	Balesar		5.55	0.00	5.55	9.84	0.00	9.84
		2	Bap		7.56	0.00	7.56	13.42	0.00	13.42
		3	Bawari		2.63	0.00	2.63	5.73	0.00	5.73
		4	Bhopalgarh		6.16	0.00	6.16	10.93	0.00	10.93
		5	Bilara	Bilara (M)	5.31	1.95	7.26	9.41	2.41	11.82
				Pipar City (M)		1.81	1.81		2.24	2.24

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		6	Luni	Kuri Bhagtasani (CT)	6.77	1.89	8.66	12.01	2.33	14.34
				Sangariya (CT)		1.13	1.13		1.39	1.39
		7	Mandore	Jodhpur (M Corp. + OG)	5.03	52.04	57.07	8.93	71.29	80.22
				Nandri (CT)		1.03	1.03		1.27	1.27
		8	Osian		9.31	0.00	9.31	16.52	0.00	16.52
		9	Phalodi	Phalodi (M + OG)	5.59	2.46	8.05	9.91	3.03	12.94
		10	Shergarh		6.00	0.00	6.00	10.65	0.00	10.65
			Total		**59.91**	**62.31**	**122.22**	**107.35**	**83.96**	**191.31**
23	Karauli	1	Hindaun	Hindaun (M)	4.65	5.20	9.85	9.57	6.08	15.65
		2	Karauli	Karauli (M)	3.89	4.09	7.98	8.00	4.78	12.78
		3	Nadoti		2.20	0.00	2.20	4.53	0.00	4.53
		4	Sapotra	Sapotra (CT)	4.04	0.25	4.29	8.31	0.29	8.60
		5	Todabhim	Todabhim (M)	3.33	1.13	4.46	6.86	1.32	8.18
			Total		**18.11**	**10.67**	**28.78**	**37.27**	**12.47**	**49.74**
24	Kota	1	Itawa		2.63	0.00	2.63	4.85	0.00	4.85
		2	Khairabad	Chechat (CT)	2.10	0.43	2.53	3.87	0.56	4.43
				Khairabad (CT)		0.44	0.44		0.57	0.57
				Kumbhkot (CT)		0.24	0.24		0.32	0.32
				Modak (CT)		0.34	0.34		0.44	0.44
				Ramganj Mandi (M)		2.04	2.04		2.67	2.67
				Satalkheri (CT)		0.57	0.57		1.01	1.01
				Suket (CT)		1.10	1.10		1.44	1.44
				Udpura (CT)		0.37	0.37		0.48	0.48
		3	Ladpura	Kaithoon (M)	1.72	1.20	2.92	3.18	1.57	4.75
				Kota (M Corp.)		49.36	49.36		71.88	71.88
		4	Sangod	Sangod (M)	2.40	1.08	3.48	4.43	1.41	5.84
		5	Sultanpur		2.46	0.00	2.46	4.55	0.00	4.55
			Total		**11.31**	**57.17**	**68.48**	**20.88**	**82.35**	**103.23**

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
25	Nagaur	1	Degana	Goredi Chancha (CT)	5.69	0.39	6.08	9.32	0.48	9.80
				Jhagarwas (CT)		0.21	0.21		0.26	0.26
		2	Didwana	Didwana (M + OG)	8.77	2.65	11.42	14.37	3.26	17.63
		3	Jayal		6.87	0.00	6.87	11.26	0.00	11.26
		4	Kuchaman city	Kuchaman City (M)	8.20	3.05	11.25	13.43	3.76	17.19
				Nawa (M)		1.09	1.09		1.34	1.34
		5	Ladnu	Ladnu (M)	4.79	3.23	8.02	7.84	3.98	11.82
		6	Makrana	Borawar (CT)	5.26	1.23	6.49	8.61	1.52	10.13
				Makrana (M)		4.66	4.66		5.74	5.74
				Makrana Village (CT)		1.07	1.07		1.32	1.32
		7	Merta	Gothan (CT)	5.29	0.65	5.94	8.66	1.07	9.73
				Merta City (M)		2.27	2.27		2.80	2.80
				Merta Road (CT)		0.62	0.62		1.03	1.03
		8	Mundwa	Kuchera (M)	6.70	1.16	7.86	10.98	1.43	12.41
				Mundwa (M)		0.62	0.62		1.02	1.02
		9	Nagaur	Basni Belima (CT)	7.03	1.44	8.47	11.52	1.77	13.29
				Chenar Village (CT)		0.20	0.20		0.25	0.25
				Nagaur (M + OG)		5.18	5.18		6.39	6.39
		10	Parbatsar	Parbatsar (M)	5.34	0.55	5.89	8.74	0.68	9.42
		11	Riyan		4.30	0.00	4.30	7.05	0.00	7.05
			Total		**68.24**	**30.27**	**98.51**	**111.78**	**38.10**	**149.88**
26	Pali	1	Bali	Bali (M)	5.60	0.73	6.33	8.75	1.09	9.84
				Falna (M)		1.22	1.22		1.36	1.36
		2	Desuri	Sadri (M)	3.00	1.35	4.35	4.69	1.50	6.19
		3	Jaitaran	Jaitaran (M)	5.22	1.11	6.33	8.15	1.24	9.39
		4	Marwar Junction	Marwar Junction (CT)	4.78	0.44	5.22	7.46	0.49	7.95
		5	Pali	Pali (M CL)	2.90	11.34	14.24	4.53	12.63	17.16

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		6	Raipur		5.24	0.00	5.24	8.19	0.00	8.19
		7	Rani	Rani (M)	2.57	0.51	3.08	4.01	0.56	4.57
		8	Rohat		3.09	0.00	3.09	4.83	0.00	4.83
		9	Sojat	Sojat (M)	4.22	2.12	6.34	6.60	2.36	8.96
				Sojat Road (CT)		0.46	0.46		0.51	0.51
		10	Sumerpur	Sumerpur (M)	3.69	1.83	5.52	5.76	2.04	7.80
				Takhatgarh (M)		0.61	0.61		0.68	0.68
			Total		**40.31**	**21.72**	**62.03**	**62.97**	**24.46**	**87.43**
27	Pratapgarh	1	Arnod		2.06	0.00	2.06	4.37	0.00	4.37
		2	Chhoti Sadri	Chhoti Sadri (M)	1.69	0.67	2.36	3.58	0.67	4.25
		3	Dhariawad	Dhariawad (CT)	2.61	0.41	3.02	5.53	0.42	5.95
		4	Peepalkhoont		2.25	0.00	2.25	4.77	0.00	4.77
		5	Pratapgarh	Pratapgarh (M)	3.02	2.07	5.09	6.40	2.08	8.48
			Total		**11.63**	**3.15**	**14.78**	**24.65**	**3.17**	**27.82**
28	Rajsamand	1	Amet	Amet (M)	1.39	0.63	2.02	2.72	1.09	3.81
				Sardargarh (CT)		0.24	0.24		0.31	0.31
		2	Bhim	Bhim (CT)	4.07	0.42	4.49	6.52	0.54	7.06
		3	Deogarh	Deogarh (M)	2.38	0.64	3.02	3.81	1.11	4.92
		4	Khamnor	Delwara (CT)	2.89	0.16	3.05	5.68	0.21	5.89
				Nathdwara (M)		2.07	2.07		2.64	2.64
		5	Kumbhalgarh		2.11	0.00	2.11	4.13	0.00	4.13
		6	Railmagra		1.92	0.00	1.92	3.77	0.00	3.77
		7	Rajsamand	Emri (CT)	2.20	0.17	2.37	4.32	0.22	4.54
				Kelwa (CT)		0.43	0.43		0.55	0.55
				Rajsamand (M)		3.34	3.34		4.26	4.26
			Total		**16.96**	**8.10**	**25.06**	**30.95**	**10.93**	**41.88**
29	Sawai Madhopur	1	Bamanwas		2.51	0.00	2.51	5.11	0.00	5.11
		2	Bonli	Kasba Bonli (CT)	3.40	0.56	3.96	6.94	0.66	7.60

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		3	Gangapur	Gangapur City (M)	3.16	5.87	9.03	6.44	6.89	13.33
				Mahu Kalan (CT)		0.40	0.40		0.47	0.47
		4	Khander		2.95	0.00	2.95	6.01	0.00	6.01
		5	Sawai Madhopur	Sawai Madhopur (M)	3.59	5.97	9.56	7.31	7.01	14.32
			Total		**15.61**	**12.80**	**28.41**	**31.81**	**15.03**	**46.84**
30	Sikar	1	Danta Ramgarh	Bay (CT)	8.08	0.22	8.30	12.85	0.27	13.12
				Danta (CT)		0.57	0.57		0.71	0.71
				Losal (M)		1.40	1.40		1.74	1.74
				Ramgarh (CT)		0.29	0.29		0.36	0.36
		2	Dhond		6.38	0.00	6.38	10.16	0.00	10.16
		3	Fatehpur	Fatehpur (M)	5.58	4.56	10.14	8.87	5.66	14.53
				Ramgarh (M)		1.63	1.63		2.02	2.02
		4	Khandela	Kanwat (CT)	6.94	0.29	7.23	11.04	0.36	11.40
				Khandela (M + OG)		1.43	1.43		1.78	1.78
		5	Lachhmangarh	Lachhmangarh (M)	5.86	2.63	8.49	9.32	3.27	12.59
		6	Neem Ka Thana	Guhala (CT)	9.13	0.23	9.36	14.53	0.29	14.82
				Neem-Ka-Thana (M)		1.79	1.79		2.22	2.22
		7	Piprali	Sikar (M Cl + OG)	5.09	12.05	17.14	8.09	14.95	23.04
		8	Sri Madhopur	Ajeetgarh (CT)	5.16	0.56	5.72	8.21	0.70	8.91
				Reengus (M)		1.29	1.29		1.60	1.60
				Sri Madhopur (M)		1.55	1.55		1.92	1.92
			Total		**52.22**	**30.49**	**82.71**	**83.07**	**37.85**	**120.92**
31	Sirohi	1	Abu Road	Abu Road (M + OG)	2.00	2.74	4.74	4.07	3.48	7.55
				Mount Abu (M)		1.13	1.13		1.44	1.44
				Santpur (Rural) (CT)		0.34	0.34		0.43	0.43

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		2	Pindwara	Bhavri (CT)	3.24	0.56	3.80	6.60	0.71	7.31
				Pindwara (M)		1.21	1.21		1.53	1.53
		3	Reodar	Reodar (CT)	3.12	0.30	3.42	6.36	0.38	6.74
		4	Sheoganj	Sheoganj (M + OG)	2.92	1.38	4.30	4.86	1.76	6.62
		5	Sirohi	Goyli (CT)	2.06	0.21	2.27	4.20	0.27	4.47
				Sirohi (M)		1.93	1.93		2.46	2.46
			Total		**13.34**	**9.80**	**23.14**	**26.09**	**12.46**	**38.55**
32	Tonk	1	Deoli	Deoli (M)	2.81	1.09	3.90	5.59	1.28	6.87
		2	Malpura	Malpura (M)	2.99	1.78	4.77	5.95	2.09	8.04
		3	Niwai	Banasthali (CT)	2.85	0.47	3.32	5.67	0.55	6.22
				Niwai (M)		1.86	1.86		2.19	2.19
		4	Todaraisingh	Todaraisingh (M)	1.80	1.16	2.96	3.58	1.37	4.95
		5	Tonk	Tonk (M CL)	3.49	8.14	11.63	6.95	9.60	16.55
		6	Uniara	Aligarh (CT)	2.17	0.28	2.45	4.32	0.33	4.65
				Uniara (M)		0.46	0.46		0.54	0.54
			Total		**16.11**	**15.24**	**31.35**	**32.06**	**17.95**	**50.01**
33	Udaipur	1	Bargaon	Bargaon (Rural) (CT)	1.49	0.34	1.83	3.13	0.40	3.53
				Bedla (CT)		0.21	0.21		0.25	0.25
				Bhuwana (CT)		0.64	0.64		1.03	1.03
		2	Bhindar	Bhinder (M)	3.51	0.65	4.16	7.39	1.05	8.44
				Kanor (M)		0.48	0.48		0.57	0.57
		3	Girwa	Bichhri (CT)	4.50	0.16	4.66	9.46	0.19	9.65
				Udaipur (M CL)		22.23	22.23		29.33	29.33
		4	Gogunda	Gogunda (CT)	5.27	0.32	5.59	9.04	0.38	9.42
		5	Jhadol		3.64	0.00	3.64	7.65	0.00	7.65
		6	Kherwara	Kherwara Chhaoni (CT)	2.91	0.28	3.19	6.12	0.33	6.45
		7	Kotra		3.37	0.00	3.37	7.08	0.00	7.08
		8	Lasadiya		1.33	0.00	1.33	2.80	0.00	2.80

S. No.	District	S. No.	Block	Town	2010 Net Water Demand, Mm^3			2020 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		9	Mavli	Fatehnagar (M)	3.23	1.12	4.35	6.80	1.33	8.13
				Mavli (CT)		0.34	0.34		0.40	0.40
		10	Rishabhdeo	Rishabhdeo (CT)	2.39	0.33	2.72	5.03	0.40	5.43
		11	Salumbar	Salumbar (M)	3.39	0.60	3.99	7.12	0.71	7.83
		12	Sarda	Bhalariya (CT)	3.15	0.14	3.29	6.63	0.17	6.80
				Chawand (CT)		0.16	0.16		0.18	0.18
				Newa Talai (CT)		0.09	0.09		0.11	0.11
				Semari (CT)		0.17	0.17		0.20	0.20
			Total		**38.18**	**28.26**	**66.44**	**78.25**	**37.03**	**115.28**
			State Total		**966.16**	**820.34**	**1786.50**	**1797.50**	**1049.54**	**2847.04**

M- Municipality; M CL - Municipal Council; CT - Census Town; M Corp - Municipal Corporation; CB - Contonment Board; OG - Out Growth

Table B-3.11 Net Domestic Water Demand-Present and Projected (Continued)

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
1	Ajmer	1	Arain	Sarwar (M)	6.13	1.40	7.53	6.84	1.59	8.43
		2	Bhinay		6.60	0.00	6.60	7.37	0.00	7.37
		3	Jawaja	Beawar (M CL)	7.09	10.37	17.46	7.92	11.78	19.70
		4	Kekri	Kekri (M)	5.95	2.87	8.82	6.64	3.26	9.90
		5	Kishangarh	Kishangarh (M CL)	6.65	10.63	17.28	7.42	12.07	19.49
		6	Masuda	Baral (CT)	6.86	0.32	7.18	7.67	0.37	8.04
				Vijainagar (M)		2.20	2.20		2.50	2.50
		7	Peesangan	Ajmer (M Corp)	15.07	41.35	56.42	16.83	46.95	63.78
				Pushkar (M)		1.48	1.48		1.69	1.69
				Boraj-Kazipura (CT)		0.45	0.45		0.51	0.51
				Nasirabad (CB)		3.49	3.49		3.96	3.96
		8	Srinagar	Badlya (CT)	10.54	0.26	10.80	11.77	0.29	12.06
			Total		**64.89**	**74.82**	**139.71**	**72.46**	**84.97**	**157.43**
2	Alwar	1	Bansur		9.68	0.00	9.68	10.80	0.00	10.80
		2	Behror	Behror (M)	5.46	2.93	8.39	6.10	3.59	9.69
		3	Kathumar	Kherli (M)	9.28	1.75	11.03	10.36	2.14	12.50
		4	Kishangarh Bas	Khairthal (M)	9.79	3.79	13.58	10.92	4.65	15.57
				Kishangarh (CT)		1.23	1.23		1.51	1.51
		5	Kotkasim		5.04	0.00	5.04	5.63	0.00	5.63
		6	Lachhmangarh	Govindgarh (CT)	9.81	1.14	10.95	10.94	1.40	12.34
		7	Mandawar		8.51	0.00	8.51	9.49	0.00	9.49
		8	Nimarana	Neemrana (CT)	6.02	0.52	6.54	6.72	0.64	7.36
				Shahjahanpur (CT)		0.72	0.72		1.20	1.20
		9	Rajgarh	Rajgarh (M)	8.04	2.64	10.68	8.97	3.24	12.21
		10	Ramgarh	Ramgarh (CT)	9.09	1.34	10.43	10.15	1.64	11.79
				Desoola (CT)		0.54	0.54		0.66	0.66

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		11	Reni		4.09	0.00	4.09	4.56	0.00	4.56
		12	Thanagazi		8.57	0.00	8.57	9.56	0.00	9.56
		13	Tijara	Bhiwadi (M)	9.46	10.39	19.85	10.55	12.75	23.30
				Tapookra (CT)		0.69	0.69		1.15	1.15
				Tijara (M)		2.45	2.45		3.01	3.01
		14	Umren	Alwar (M CL)	11.00	35.50	46.50	12.27	43.56	55.83
				Bhoogar (CT)		0.56	0.56		0.69	0.69
				Diwakari (CT)		1.11	1.11		1.36	1.36
			Total		**113.84**	**67.30**	**181.14**	**127.02**	**83.19**	**210.21**
3	Banswara	1	Anandpur		6.59	0.00	6.59	7.61	0.00	7.61
		2	Bagidora		9.74	0.00	9.74	11.24	0.00	11.24
		3	Banswara	Banswara (M)	10.39	5.41	15.80	12.00	6.82	18.82
		4	Choti Sarwan		5.22	0.00	5.22	6.03	0.00	6.03
		5	Ghari	Garhi (CT)	12.35	0.21	12.56	14.26	0.26	14.52
				Partapur (CT)		0.43	0.43		0.54	0.54
		6	Ghatol		12.54	0.00	12.54	14.48	0.00	14.48
		7	Kushalgarh	Kushalgarh (M)	10.17	0.42	10.59	11.74	0.53	12.27
		8	Sajjangarh		5.92	0.00	5.92	6.84	0.00	6.84
			Total		**72.92**	**6.47**	**79.39**	**84.20**	**8.15**	**92.35**
4	Baran	1	Antah	Antah (M)	5.78	3.08	8.86	6.35	3.72	10.07
				Mangrol (M)		2.39	2.39		2.88	2.88
		2	Atru	Atru (CT)	4.17	1.06	5.23	4.58	1.28	5.86
				Kawai (CT)		0.67	0.67		1.09	1.09
				Kherliganj (CT)		0.50	0.50		0.60	0.60
		3	Baran	Baran (M)	3.26	11.23	14.49	3.58	13.57	17.15
		4	Chhabra	Chhabra (M)	4.09	3.07	7.16	4.50	3.71	8.21
		5	Chhipabarod	Chhipabarod (CT)	5.18	1.79	6.97	5.70	2.17	7.87
		6	Kishanganj		5.69	0.00	5.69	6.25	0.00	6.25
		7	Shahbad		4.84	0.00	4.84	5.32	0.00	5.32

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
			Total		**33.01**	**23.79**	**56.80**	**36.28**	**29.02**	**65.30**
5	Barmer	1	Balotra	Balotra (M)	23.56	4.51	28.07	27.64	5.82	33.46
		2	Barmer	Barmer (M)	22.80	5.83	28.63	26.75	7.51	34.26
		3	Baytoo	Utarlai (CT)	19.58	0.21	19.79	22.97	0.27	23.24
		4	Chohtan		22.79	0.00	22.79	26.74	0.00	26.74
		5	Dhorimanna	Dhorimanna (CT)	19.78	0.29	20.07	23.20	0.38	23.58
		6	Sheo		16.04	0.00	16.04	18.82	0.00	18.82
		7	Sindhari		20.86	0.00	20.86	24.48	0.00	24.48
		8	Siwana		18.44	0.00	18.44	21.63	0.00	21.63
			Total		**163.85**	**10.84**	**174.69**	**192.23**	**13.98**	**206.21**
6	Bharatpur	1	Bayana	Bayana (M)	8.77	2.66	11.43	9.89	3.11	13.00
				Bayana (Rural) (CT)		0.30	0.30		0.35	0.35
		2	Deeg	Deeg (M)	7.07	3.11	10.18	7.98	3.63	11.61
		3	Kaman	Kaman (M)	11.03	2.63	13.66	12.44	3.07	15.51
		4	Kumher	Kumher (M)	6.92	1.63	8.55	7.81	1.90	9.71
		5	Nadbai	Nadbai (M)	7.35	1.82	9.17	8.29	2.13	10.42
		6	Nagar	Nagar (M)	11.60	1.77	13.37	13.09	2.06	15.15
		7	Rupbas		10.04	0.00	10.04	11.33	0.00	11.33
		8	Sewar	Bharatpur (M CL)	7.79	17.47	25.26	8.80	20.40	29.20
		9	Weir	Bhusawar (M)	9.37	1.38	10.75	10.58	1.61	12.19
				Weir (M)		1.34	1.34		1.56	1.56
			Total		**79.94**	**34.11**	**114.05**	**90.21**	**39.82**	**130.03**
7	Bhilwara		Asind	Asind (M)	8.80	1.21	10.01	9.84	1.41	11.25
			Banera		4.59	0.00	4.59	5.12	0.00	5.12
			Hurda	Gulabpura (M)	4.13	1.98	6.11	4.62	2.32	6.94
			Jahazpur	Jahazpur (M)	7.31	1.50	8.81	8.17	1.75	9.92
			Kotri		6.48	0.00	6.48	7.24	0.00	7.24
			Mandal		8.73	0.00	8.73	9.76	0.00	9.76
			Mandalgarh	Bijoliya Kalan (CT)	8.83	1.03	9.86	9.87	1.20	11.07

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Mandalgarh (M)		1.01	1.01		1.18	1.18
			Raipur		3.63	0.00	3.63	4.05	0.00	4.05
			Sahara	Gangapur (M)	4.31	1.37	5.68	4.82	1.60	6.42
			Shahpura	Shahpura (M)	6.55	2.20	8.75	7.32	2.58	9.90
			Suwana	Bhilwara (M CL)	6.92	29.05	35.97	7.73	33.99	41.72
				Hameer Garh (CT)		0.63	0.63		0.99	0.99
			Total		**70.28**	**39.98**	**110.26**	**78.54**	**47.02**	**125.56**
8	Bikaner	1	Bikaner	Bikaner (M.Corp)	15.70	54.87	70.57	17.88	63.94	81.82
				Deshnoke (M)		1.42	1.42		1.65	1.65
		2	Dungargarh	Dungargarh (M)	14.01	4.08	18.09	15.95	4.76	20.71
		3	Khajuwala	Beriyawali (CT)	6.77	0.67	7.44	7.71	1.06	8.77
		4	Kolayat	Kolayat (CT)	14.61	0.55	15.16	16.63	0.64	17.27
		5	Lunkaransar		15.13	0.00	15.13	17.23	0.00	17.23
		6	Nokha	Nokha (M)	21.75	4.81	26.56	24.76	5.60	30.36
			Total		**87.97**	**66.40**	**154.37**	**100.16**	**77.65**	**177.81**
9	Bundi	1	Bundi	Bundi (M)	5.12	7.58	12.70	5.61	8.84	14.45
		2	Hindoli		7.42	0.00	7.42	8.14	0.00	8.14
		3	Keshoraipatan	Indragarh (M)	6.60	0.40	7.00	7.24	0.46	7.70
				Kaprain (M)		1.50	1.50		1.75	1.75
				Keshoraipatan (M)		1.78	1.78		2.08	2.08
				Lakheri (M)		2.14	2.14		2.49	2.49
				Sumerganj Mandi (CT)		0.19	0.19		0.23	0.23
		4	Nainwa	Nainwa (M)	5.95	1.41	7.36	6.53	1.64	8.17
		5	Talera	Budhpura (CT)	4.86	0.27	5.13	5.33	0.32	5.65
				Talera (CT)		0.39	0.39		0.45	0.45
			Total		**29.95**	**15.66**	**45.61**	**32.85**	**18.26**	**51.11**
10	Chittaurgarh	1	Badi Sadri	Bari Sadri (M)	3.50	1.07	4.57	3.87	1.24	5.11
		2	Bainsrorgarh	Rawatbhata (M)	3.45	2.56	6.01	3.81	2.97	6.78
		3	Begun	Begun (M)	4.11	1.40	5.51	4.54	1.63	6.17

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		4	Bhadesar		4.32	0.00	4.32	4.77	0.00	4.77
		5	Bhopalsagar		2.83	0.00	2.83	3.12	0.00	3.12
		6	Chittorgarh	Chittaurgarh (M)	6.41	7.90	14.31	7.08	9.18	16.26
				Sawa (CT)		0.60	0.60		0.70	0.70
		7	Dungla		3.64	0.00	3.64	4.02	0.00	4.02
		8	Gangrar		3.62	0.00	3.62	4.00	0.00	4.00
		9	Kapasan	Kapasan (M)	3.39	1.42	4.81	3.75	1.65	5.40
		10	Nimbahera	Nimbahera (M)	5.50	4.20	9.70	6.07	4.89	10.96
		11	Rashmi		3.09	0.00	3.09	3.41	0.00	3.41
			Total		**43.86**	**19.15**	**63.01**	**48.44**	**22.26**	**70.70**
11	Churu	1	Churu	Churu (M CL)	9.89	7.91	17.80	11.17	9.02	20.19
				Ratannagar (M)		0.63	0.63		0.71	0.71
		2	Rajgarh	Rajgarh (M)	16.91	3.90	20.81	19.09	4.44	23.53
		3	Ratangarh	Rajaldesar (M)	10.78	1.81	12.59	12.17	2.06	14.23
				Ratangarh (M)		4.68	4.68		5.34	5.34
		4	Sardarshahar	Sardarshahar (M)	15.97	6.32	22.29	18.03	7.20	25.23
		5	Sujangarh	Bidasar (M)	18.00	2.35	20.35	20.32	2.68	23.00
				Chhapar (M)		1.30	1.30		1.48	1.48
				Sujangarh (M)		6.69	6.69		7.62	7.62
		6	Taranagar	Taranagar (M)	9.99	2.15	12.14	11.27	2.45	13.72
			Total		**81.54**	**37.74**	**119.28**	**92.05**	**43.00**	**135.05**
12	Dausa	1	Bandikui	Bandikui (M)	11.44	4.29	15.73	12.91	5.36	18.27
		2	Dausa	Dausa (M)	13.03	8.26	21.29	14.70	10.31	25.01
		3	Lalsot	Lalsot (M)	12.25	3.30	15.55	13.83	4.12	17.95
		4	Mahwa	Mahwa (CT)	8.86	2.39	11.25	10.00	2.98	12.98
				Mandawar (CT)		1.15	1.15		1.43	1.43
		5	Sikrai		10.13	0.00	10.13	11.43	0.00	11.43
			Total		**55.71**	**19.39**	**75.10**	**62.87**	**24.20**	**87.07**
13	Dhaulpur	1	Bari	Bari (M)	6.82	5.69	12.51	7.63	6.89	14.52

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		2	Baseri	Sarmathura (CT)	8.45	1.63	10.08	9.46	1.98	11.44
		3	Dholpur	Dhaulpur (M)	12.17	12.08	24.25	13.62	14.61	28.23
		4	Rajakhera	Rajakhera (M)	8.31	3.06	11.37	9.30	3.70	13.00
			Total		**35.75**	**22.46**	**58.21**	**40.01**	**27.18**	**67.19**
14	Dungarpur	1	Aspur		9.30	0.00	9.30	10.77	0.00	10.77
		2	Bichhiwara	Dungarpur (M)	13.91	3.33	17.24	16.12	3.45	19.57
		3	Dungarpur		8.11	0.00	8.11	9.39	0.00	9.39
		4	Sagwara	Sagwara (M)	10.14	2.06	12.20	11.75	2.13	13.88
		5	Simalwara	Galiakot (CT)	12.42	0.24	12.66	14.39	0.25	14.64
				Seemalwara (CT)		0.36	0.36		0.37	0.37
			Total		**53.88**	**5.99**	**59.87**	**62.42**	**6.20**	**68.62**
15	Ganganagar	1	Anupgarh	1 GB-A(CT)	5.88	0.36	6.24	6.31	0.41	6.72
				Anupgarh (M)		2.04	2.04		2.32	2.32
				Vijainagar (M)		1.22	1.22		1.38	1.38
		2	Ganganagar	3 E Village (CT)	5.97	0.59	6.56	6.39	0.67	7.06
				Ganganagar (M Cl)		15.74	15.74		17.83	17.83
		3	Gharsana	24 AS-C(CT)	6.56	0.33	6.89	7.03	0.37	7.40
				3 STR (CT)		0.57	0.57		0.65	0.65
				8 PSD-B(CT)		0.57	0.57		0.65	0.65
		4	Karanpur	Karanpur (M)	3.34	1.41	4.75	3.58	1.60	5.18
				Kesrisinghpur (M)		0.69	0.69		1.05	1.05
		5	Padampur	Gajsinghpur (M)	4.02	0.49	4.51	4.31	0.56	4.87
				Padampur (M)		1.22	1.22		1.38	1.38
		6	Raisinghnagar	Raisinghnagar (M)	5.03	1.88	6.91	5.40	2.12	7.52
		7	Sadulshahar	8 LLG(LALGARH) (CT)	4.63	0.56	5.19	4.96	0.63	5.59
				Sadulshahar (M)		1.65	1.65		1.87	1.87
		8	Suratgarh	Suratgarh (m)	7.50	4.67	12.17	8.04	5.29	13.33
			Total		**42.93**	**33.99**	**76.92**	**46.02**	**38.78**	**84.80**
16	Hanumangarh	1	Bhadra	Bhadra (M)	12.91	2.53	15.44	14.36	2.90	17.26

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		2	Hanumangarh	Hanumangarh (M CL)	10.59	9.41	20.00	11.78	10.77	22.55
		3	Nohar	Nohar (M)	13.69	3.11	16.80	15.23	3.56	18.79
		4	Pilibanga	Pilibanga (M)	6.46	2.32	8.78	7.19	2.66	9.85
		5	Rawatsar	Rawatsar (M)	6.15	2.19	8.34	6.85	2.50	9.35
		6	Sangaria	Sangaria (M)	3.47	2.28	5.75	3.87	2.61	6.48
		7	Tibi		6.26	0.00	6.26	6.97	0.00	6.97
			Total		**59.53**	**21.84**	**81.37**	**66.25**	**25.00**	**91.25**
17	Jaipur	1	Amber	Akedadoongar (CT)	11.86	0.59	12.45	13.26	0.70	13.96
		2	Bassi	Baskhoh (CT)	8.73	0.99	9.72	9.75	1.17	10.92
				Bassi (CT)		2.30	2.30		2.72	2.72
				Kanota (CT)		1.00	1.00		1.18	1.18
		3	Chaksu	Chaksu (M)	7.06	2.96	10.02	7.89	3.49	11.38
		4	Dudu	Phulera (M)	18.67	2.31	20.98	20.87	2.73	23.60
		5	Govindgarh	Chomu (M)	11.98	5.70	17.68	13.39	6.73	20.12
				Govindgarh (CT)		0.51	0.51		0.60	0.60
		6	Jamwa Ramgarh	Jamwa Ramgarh (CT)	10.97	0.50	11.47	12.26	0.59	12.85
		7	Jhotwara	Bagrana (CT)	4.78	0.71	5.49	5.34	1.13	6.47
				Jaipur (M Corp)		299.40	299.40		353.82	353.82
		8	Kotputli	Kotputli (M)	10.97	4.35	15.32	12.26	5.14	17.40
		9	Phagi		7.09	0.00	7.09	7.93	0.00	7.93
		10	Sambhar	Jobner (M)	8.01	1.00	9.01	8.95	1.19	10.14
				Kishangarh Renwal (M)		2.58	2.58		3.05	3.05
				Sambhar (M)		1.98	1.98		2.33	2.33
		11	Sanganer	Bagru (M)	6.49	2.76	9.25	7.25	3.26	10.51
		12	Shahpura	Manoharpur (CT)	7.19	1.79	8.98	8.04	2.12	10.16
				Shahpura (M)		3.00	3.00		3.54	3.54
		13	Viratnagar	Viratnagar (M)	8.85	1.82	10.67	9.89	2.15	12.04
			Total		**122.65**	**336.25**	**458.90**	**137.08**	**397.64**	**534.72**

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
18	Jaisalmer		Jaisalmer	Jaisalmer (M)	12.92	3.56	16.48	15.22	4.10	19.32
			Sankra	Pokaran (M)	10.89	1.28	12.17	12.84	1.47	14.31
			Som		16.36	0.00	16.36	19.28	0.00	19.28
			Total		**40.17**	**4.84**	**45.01**	**47.34**	**5.57**	**52.91**
19	Jalore	1	Ahore	Ahore (CT)	11.41	1.38	12.79	13.05	1.76	14.81
		2	Bhinmal		12.40	0.00	12.40	14.19	0.00	14.19
		3	Chitalwana		11.24	0.00	11.24	12.86	0.00	12.86
		4	Jalore	Jalor (M)	9.52	4.43	13.95	10.89	5.66	16.55
		5	Jaswantpura	Bhinmal (M)	11.73	3.93	15.66	13.42	5.01	18.43
		6	Raniwara		12.30	0.00	12.30	14.07	0.00	14.07
		7	Sanchore	Sanchore (M)	10.98	2.69	13.67	12.56	3.44	16.00
		8	Sayla		15.34	0.00	15.34	17.54	0.00	17.54
			Total		**94.92**	**12.43**	**107.35**	**108.58**	**15.87**	**124.45**
20	Jhalawar	1	Bakani	Bakani (CT)	6.18	0.61	6.79	6.86	1.00	7.86
		2	Dag	Kolvi @ Mandi Rajendrapur (CT)	7.25	0.54	7.79	8.05	0.65	8.70
		3	Jhalrapatan	Bhawani Mandi (M)	9.03	3.57	12.60	10.03	4.31	14.34
				Jhalarpathan (M)		3.17	3.17		3.82	3.82
				Jhalawar (M)		5.66	5.66		6.82	6.82
		4	Khanpur	Khanpur (CT)	5.72	1.17	6.89	6.35	1.41	7.76
		5	ManoharThana	Aklera (M)	7.05	2.22	9.27	7.83	2.68	10.51
				Manoharthana (CT)		0.71	0.71		1.15	1.15
		6	Pirawa	Pirawa (M)	7.17	1.08	8.25	7.96	1.31	9.27
			Total		**42.40**	**18.73**	**61.13**	**47.08**	**23.15**	**70.23**
21	Jhunjhunu	1	Alsisar	Bissau (M)	7.29	1.66	8.95	7.85	1.91	9.76
		2	Buhana	Singhana (CT)	9.29	0.60	9.89	10.01	0.69	10.70
		3	Chirawa	Chirawa (M)	5.98	3.14	9.12	6.44	3.62	10.06
		4	Jhunjhunun	Baggar (M)	7.13	1.02	8.15	7.67	1.17	8.84
				Islampur (CT)		0.54	0.54		0.63	0.63

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Jhunjhunun (M CL)		8.46	8.46		9.76	9.76
				Malsisar (CT)		0.73	0.73		1.13	1.13
				Mandawa (M)		1.67	1.67		1.92	1.92
				Nooan (CT)		0.32	0.32		0.37	0.37
		5	Khetri	Babai (CT)	10.17	0.56	10.73	10.96	0.65	11.61
				Gothra (CT)		1.21	1.21		1.39	1.39
				Khetri (M)		1.30	1.30		1.50	1.50
		6	Nawalgarh	Mukandgarh (M)	10.70	1.32	12.02	11.53	1.52	13.05
				Nawalgarh (M)		4.57	4.57		5.27	5.27
		7	Surajgarh	Pilani (M)	10.02	2.12	12.14	10.79	2.45	13.24
				Surajgarh (M)		1.55	1.55		1.78	1.78
				Vidyavihar (M)		1.12	1.12		1.29	1.29
		8	Udaipurwati	Udaipurwati (M)	11.64	2.09	13.73	12.53	2.41	14.94
			Total		**72.22**	**33.98**	**106.20**	**77.78**	**39.46**	**117.24**
22	Jodhpur	1	Balesar		13.27	0.00	13.27	15.26	0.00	15.26
		2	Bap		18.10	0.00	18.10	20.81	0.00	20.81
		3	Bawari		7.72	0.00	7.72	8.88	0.00	8.88
		4	Bhopalgarh		14.75	0.00	14.75	16.96	0.00	16.96
		5	Bilara	Bilara (M)	12.70	3.27	15.97	14.60	3.86	18.46
				Pipar City (M)		3.04	3.04		3.59	3.59
		6	Luni	Kuri Bhagtasani (CT)	16.20	3.17	19.37	18.62	3.75	22.37
				Sangariya (CT)		1.89	1.89		2.23	2.23
		7	Mandore	Jodhpur (M Corp. + OG)	12.04	96.82	108.86	13.85	114.38	128.23
				Nandri (CT)		1.72	1.72		2.03	2.03
		8	Osian		22.29	0.00	22.29	25.62	0.00	25.62
		9	Phalodi	Phalodi (M + OG)	13.37	4.12	17.49	15.37	4.86	20.23
		10	Shergarh		14.37	0.00	14.37	16.52	0.00	16.52
			Total		**144.81**	**114.03**	**258.84**	**166.49**	**134.70**	**301.19**
23	Karauli	1	Hindaun	Hindaun (M)	12.00	7.86	19.86	13.46	9.40	22.86

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		2	Karauli	Karauli (M)	10.03	6.18	16.21	11.25	7.40	18.65
		3	Nadoti		5.69	0.00	5.69	6.38	0.00	6.38
		4	Sapotra	Sapotra (CT)	10.42	0.37	10.79	11.68	0.44	12.12
		5	Todabhim	Todabhim (M)	8.60	1.71	10.31	9.64	2.05	11.69
			Total		**46.74**	**16.12**	**62.86**	**52.41**	**19.29**	**71.70**
24	Kota	1	Itawa		5.25	0.00	5.25	5.60	0.00	5.60
		2	Khairabad	Chechat (CT)	4.20	1.08	5.28	4.48	1.27	5.75
				Khairabad (CT)		1.11	1.11		1.31	1.31
				Kumbhkot (CT)		0.45	0.45		0.53	0.53
				Modak (CT)		0.63	0.63		1.00	1.00
				Ramganj Mandi (M)		3.81	3.81		4.50	4.50
				Satalkheri (CT)		1.44	1.44		1.70	1.70
				Suket (CT)		2.06	2.06		2.43	2.43
				Udpura (CT)		0.69	0.69		1.09	1.09
		3	Ladpura	Kaithoon (M)	3.44	2.24	5.68	3.67	2.64	6.31
				Kota (M Corp.)		102.65	102.65		121.17	121.17
		4	Sangod	Sangod (M)	4.80	2.01	6.81	5.12	2.38	7.50
		5	Sultanpur		4.93	0.00	4.93	5.26	0.00	5.26
			Total		**22.62**	**118.17**	**140.79**	**24.13**	**140.02**	**164.15**
25	Nagaur	1	Degana	Goredi Chancha (CT)	11.30	0.65	11.95	12.52	1.05	13.57
				Jhagarwas (CT)		0.35	0.35		0.42	0.42
		2	Didwana	Didwana (M + OG)	17.42	4.44	21.86	19.30	5.30	24.60
		3	Jayal		13.65	0.00	13.65	15.13	0.00	15.13
		4	Kuchaman city	Kuchaman City (M)	16.28	5.12	21.40	18.04	6.11	24.15
				Nawa (M)		1.83	1.83		2.18	2.18
		5	Ladnu	Ladnu (M)	9.51	5.42	14.93	10.54	6.47	17.01
		6	Makrana	Borawar (CT)	10.44	2.06	12.50	11.57	2.46	14.03
				Makrana (M)		7.81	7.81		9.32	9.32
				Makrana Village (CT)		1.80	1.80		2.15	2.15

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		7	Merta	Gothan (CT)	10.50	1.46	11.96	11.64	1.75	13.39
				Merta City (M)		3.81	3.81		4.55	4.55
				Merta Road (CT)		1.40	1.40		1.67	1.67
		8	Mundwa	Kuchera (M)	13.31	1.94	15.25	14.75	2.32	17.07
				Mundwa (M)		1.39	1.39		1.66	1.66
		9	Nagaur	Basni Belima (CT)	13.97	2.41	16.38	15.48	2.88	18.36
				Chenar Village (CT)		0.34	0.34		0.41	0.41
				Nagaur (M + OG)		8.70	8.70		10.38	10.38
		10	Parbatsar	Parbatsar (M)	10.60	1.25	11.85	11.74	1.50	13.24
		11	Riyan		8.54	0.00	8.54	9.47	0.00	9.47
			Total		**135.52**	**52.18**	**187.70**	**150.18**	**62.58**	**212.76**
26	Pali	1	Bali	Bali (M)	9.96	1.30	11.26	10.80	1.49	12.29
				Falna (M)		1.63	1.63		1.86	1.86
		2	Desuri	Sadri (M)	5.34	1.79	7.13	5.79	2.05	7.84
		3	Jaitaran	Jaitaran (M)	9.28	1.48	10.76	10.06	1.69	11.75
		4	Marwar Junction	Marwar Junction (CT)	8.49	0.58	9.07	9.21	0.67	9.88
		5	Pali	Pali (M CL)	5.15	15.08	20.23	5.59	17.21	22.80
		6	Raipur		9.33	0.00	9.33	10.11	0.00	10.11
		7	Rani	Rani (M)	4.56	0.67	5.23	4.95	1.04	5.99
		8	Rohat		5.50	0.00	5.50	5.96	0.00	5.96
		9	Sojat	Sojat (M)	7.51	2.82	10.33	8.15	3.22	11.37
				Sojat Road (CT)		0.61	0.61		0.69	0.69
		10	Sumerpur	Sumerpur (M)	6.56	2.43	8.99	7.11	2.77	9.88
				Takhatgarh (M)		1.10	1.10		1.25	1.25
			Total		**71.68**	**29.49**	**101.17**	**77.73**	**33.94**	**111.67**
27	Pratapgarh	1	Arnod		5.71	0.00	5.71	6.49	0.00	6.49
		2	Chhoti Sadri	Chhoti Sadri (M)	4.68	0.71	5.39	5.32	1.16	6.48
		3	Dhariawad	Dhariawad (CT)	7.22	0.44	7.66	8.21	0.53	8.74

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		4	Peepalkhoont		6.23	0.00	6.23	7.09	0.00	7.09
		5	Pratapgarh	Pratapgarh (M)	8.36	2.19	10.55	9.51	2.66	12.17
			Total		**32.20**	**3.34**	**35.54**	**36.62**	**4.35**	**40.97**
28	Rajsamand	1	Amet	Amet (M)	3.20	1.54	4.74	3.51	1.85	5.36
				Sardargarh (CT)		0.43	0.43		0.52	0.52
		2	Bhim	Bhim (CT)	7.67	1.02	8.69	8.41	1.24	9.65
		3	Deogarh	Deogarh (M)	4.48	1.56	6.04	4.91	1.88	6.79
		4	Khamnor	Delwara (CT)	6.67	0.29	6.96	7.32	0.35	7.67
				Nathdwara (M)		3.72	3.72		4.49	4.49
		5	Kumbhalgarh		4.85	0.00	4.85	5.32	0.00	5.32
		6	Railmagra		4.44	0.00	4.44	4.87	0.00	4.87
		7	Rajsamand	Emri (CT)	5.08	0.31	5.39	5.57	0.38	5.95
				Kelwa (CT)		1.04	1.04		1.25	1.25
				Rajsamand (M)		6.01	6.01		7.25	7.25
			Total		**36.39**	**15.92**	**52.31**	**39.91**	**19.21**	**59.12**
29	Sawai Madhopur	1	Bamanwas		6.32	0.00	6.32	7.05	0.00	7.05
		2	Bonli	Kasba Bonli (CT)	8.59	1.14	9.73	9.58	1.34	10.92
		3	Gangapur	Gangapur City (M)	7.97	8.86	16.83	8.90	10.43	19.33
				Mahu Kalan (CT)		0.60	0.60		0.71	0.71
		4	Khander		7.44	0.00	7.44	8.30	0.00	8.30
		5	Sawai Madhopur	Sawai Madhopur (M)	9.05	9.01	18.06	10.10	10.61	20.71
			Total		**39.37**	**19.61**	**58.98**	**43.93**	**23.09**	**67.02**
30	Sikar	1	Danta Ramgarh	Bay (CT)	14.98	0.37	15.35	16.38	0.43	16.81
				Danta (CT)		1.29	1.29		1.53	1.53
				Losal (M)		2.37	2.37		2.80	2.80
				Ramgarh (CT)		0.49	0.49		0.58	0.58
		2	Dhond		11.84	0.00	11.84	12.95	0.00	12.95

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		3	Fatehpur	Fatehpur (M)	10.35	7.69	18.04	11.31	9.08	20.39
				Ramgarh (M)		2.74	2.74		3.24	3.24
		4	Khandela	Kanwat (CT)	12.87	0.49	13.36	14.07	0.57	14.64
				Khandela (M + OG)		2.41	2.41		2.85	2.85
		5	Lachhmangarh	Lachhmangarh (M)	10.87	4.43	15.30	11.88	5.24	17.12
		6	Neem Ka Thana	Guhala (CT)	16.94	0.39	17.33	18.52	0.46	18.98
				Neem-Ka-Thana (M)		3.01	3.01		3.55	3.55
		7	Piprali	Sikar (M Cl + OG)	9.43	20.30	29.73	10.32	23.98	34.30
		8	Sri Madhopur	Ajeetgarh (CT)	9.57	1.28	10.85	10.47	1.51	11.98
				Reengus (M)		2.17	2.17		2.56	2.56
				Sri Madhopur (M)		2.60	2.60		3.08	3.08
			Total		**96.85**	**52.03**	**148.88**	**105.90**	**61.46**	**167.36**
31	Sirohi	1	Abu Road	Abu Road (M + OG)	5.03	4.92	9.95	5.62	5.93	11.55
				Mount Abu (M)		2.03	2.03		2.45	2.45
				Santpur (Rural) (CT)		0.60	0.60		0.73	0.73
		2	Pindwara	Bhavri (CT)	8.17	1.36	9.53	9.12	1.63	10.75
				Pindwara (M)		2.17	2.17		2.61	2.61
		3	Reodar	Reodar (CT)	7.87	0.53	8.40	8.78	0.64	9.42
		4	Sheoganj	Sheoganj (M + OG)	6.01	2.48	8.49	6.71	2.99	9.70
		5	Sirohi	Goyli (CT)	5.20	0.38	5.58	5.80	0.45	6.25
				Sirohi (M)		3.47	3.47		4.19	4.19
			Total		**32.28**	**17.94**	**50.22**	**36.03**	**21.62**	**57.65**
32	Tonk	1	Deoli	Deoli (M)	6.70	1.65	8.35	7.39	1.93	9.32
		2	Malpura	Malpura (M)	7.13	2.69	9.82	7.87	3.15	11.02
		3	Niwai	Banasthali (CT)	6.80	0.71	7.51	7.50	1.12	8.62
				Niwai (M)		2.82	2.82		3.30	3.30
		4	Todaraisingh	Todaraisingh (M)	4.29	1.76	6.05	4.74	2.06	6.80
		5	Tonk	Tonk (M CL)	8.33	12.35	20.68	9.19	14.44	23.63

S. No.	District	S. No.	Block	Town	2040 Net Water Demand, Mm^3			2060 Net Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		6	Uniara	Aligarh (CT)	5.18	0.42	5.60	5.72	0.49	6.21
				Uniara (M)		0.69	0.69		1.10	1.10
			Total		**38.43**	**23.09**	**61.52**	**42.41**	**27.59**	**70.00**
33	Udaipur	1	Bargaon	Bargaon (Rural) (CT)	4.04	0.52	4.56	4.58	0.62	5.20
				Bedla (CT)		0.33	0.33		0.39	0.39
				Bhuwana (CT)		1.35	1.35		1.60	1.60
		2	Bhindar	Bhinder (M)	9.53	1.37	10.90	10.80	1.62	12.42
				Kanor (M)		1.01	1.01		1.20	1.20
		3	Girwa	Bichhri (CT)	12.21	0.24	12.45	13.83	0.29	14.12
				Udaipur (M CL)		38.34	38.34		45.49	45.49
		4	Gogunda	Gogunda (CT)	11.67	0.50	12.17	13.22	0.59	13.81
		5	Jhadol		9.88	0.00	9.88	11.19	0.00	11.19
		6	Kherwara	Kherwara Chhaoni (CT)	7.89	0.43	8.32	8.94	0.51	9.45
		7	Kotra		9.14	0.00	9.14	10.35	0.00	10.35
		8	Lasadiya		3.62	0.00	3.62	4.09	0.00	4.09
		9	Mavli	Fatehnagar (M)	8.77	1.74	10.51	9.93	2.07	12.00
				Mavli (CT)		0.52	0.52		0.62	0.62
		10	Rishabhdeo	Rishabhdeo (CT)	6.49	0.52	7.01	7.35	0.62	7.97
		11	Salumbar	Salumbar (M)	9.19	1.26	10.45	10.41	1.49	11.90
		12	Sarda	Bhalariya (CT)	8.55	0.22	8.77	9.69	0.27	9.96
				Chawand (CT)		0.24	0.24		0.29	0.29
				Newa Talai (CT)		0.14	0.14		0.17	0.17
				Semari (CT)		0.26	0.26		0.31	0.31
			Total		**100.98**	**48.99**	**149.97**	**114.38**	**58.15**	**172.53**
			State Total		**2260.08**	**1417.07**	**3677.15**	**2539.99**	**1676.37**	**4216.36**

M- Municipality; M CL - Municipal Council; CT - Census Town; M Corp - Municipal Corporation; CB - Contonment Board; OG - Out Growth

Table B-3.12 Gross Domestic Water Demand-Present and Projected

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
1	Ajmer	1	Arain	Sarwar (M)	2.69	1.43	4.12	5.49	1.64	7.13
		2	Bhinay		2.90	0.00	2.90	5.91	0.00	5.91
		3	Jawaja	Beawar (M CL)	3.11	10.64	13.75	6.36	12.14	18.50
		4	Kekri	Kekri (M)	2.61	2.94	5.55	5.32	3.36	8.68
		5	Kishangarh	Kishangarh (M CL)	2.92	10.90	13.82	5.96	12.44	18.40
		6	Masuda	Baral (CT)	3.01	0.33	3.34	6.14	0.37	6.51
				Vijainagar (M)		2.26	2.26		2.59	2.59
		7	Peesangan	Ajmer (M Corp)	8.10	38.17	46.27	13.50	48.39	61.89
				Pushkar (M)		1.53	1.53		1.74	1.74
				Boraj-Kazipura (CT)		0.46	0.46		0.53	0.53
				Nasirabad (CB)		3.57	3.57		4.09	4.09
		8	Srinagar	Badlya (CT)	5.67	0.27	5.94	9.44	0.30	9.74
			Total		**31.01**	**72.50**	**103.51**	**58.12**	**87.59**	**145.71**
2	Alwar	1	Bansur		4.28	0.00	4.28	8.71	0.00	8.71
		2	Behror	Behror (M)	2.41	2.09	4.50	4.91	2.79	7.70
		3	Kathumar	Kherli (M)	4.10	0.91	5.01	8.34	1.67	10.01
		4	Kishangarh Bas	Khairthal (M)	5.30	2.70	8.00	8.80	3.61	12.41
				Kishangarh (CT)		0.64	0.64		0.87	0.87
		5	Kotkasim		2.23	0.00	2.23	4.53	0.00	4.53
		6	Lachhmangarh	Govindgarh (CT)	4.33	0.60	4.93	8.82	0.81	9.63
		7	Mandawar		3.76	0.00	3.76	7.64	0.00	7.64
		8	Nimarana	Neemrana (CT)	2.66	0.37	3.03	5.41	0.50	5.91
				Shahjahanpur (CT)		0.51	0.51		0.69	0.69
		9	Rajgarh	Rajgarh (M)	3.54	1.87	5.41	7.22	2.51	9.73
		10	Ramgarh	Ramgarh (CT)	4.01	0.70	4.71	8.18	0.94	9.12

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Desoola (CT)		0.39	0.39		0.51	0.51
		11	Reni		1.80	0.00	1.80	3.68	0.00	3.68
		12	Thanagazi		3.79	0.00	3.79	7.71	0.00	7.71
		13	Tijara	Bhiwadi (M)	4.18	7.39	11.57	8.50	9.90	18.40
				Tapookra (CT)		0.50	0.50		0.66	0.66
				Tijara (M)		1.74	1.74		2.34	2.34
		14	Umren	Alwar (M CL)	4.86	22.70	27.56	9.89	30.46	40.35
				Bhoogar (CT)		0.40	0.40		0.54	0.54
				Diwakari (CT)		0.59	0.59		0.79	0.79
			Total		**51.25**	**44.10**	**95.35**	**102.34**	**59.59**	**161.93**
3	Banswara	1	Anandpur		2.44	0.00	2.44	5.37	0.00	5.37
		2	Bagidora		3.61	0.00	3.61	7.92	0.00	7.92
		3	Banswara	Banswara (M)	3.86	7.11	10.97	8.47	7.21	15.68
		4	Choti Sarwan		1.94	0.00	1.94	4.26	0.00	4.26
		5	Ghari	Garhi (CT)	4.59	0.27	4.86	10.06	0.27	10.33
				Partapur (CT)		0.56	0.56		0.57	0.57
		6	Ghatol		4.66	0.00	4.66	10.21	0.00	10.21
		7	Kushalgarh	Kushalgarh (M)	3.78	0.56	4.34	8.28	0.57	8.85
		8	Sajjangarh		2.20	0.00	2.20	4.82	0.00	4.82
			Total		**27.08**	**8.50**	**35.58**	**59.39**	**8.62**	**68.01**
4	Baran	1	Antah	Antah (M)	2.76	2.29	5.05	5.42	3.01	8.43
				Mangrol (M)		1.77	1.77		2.34	2.34
		2	Atru	Atru (CT)	1.99	0.59	2.58	3.91	0.77	4.68
				Kawai (CT)		0.50	0.50		0.66	0.66
				Kherliganj (CT)		0.37	0.37		0.49	0.49
		3	Baran	Baran (M)	1.56	8.30	9.86	3.06	10.99	14.05
		4	Chhabra	Chhabra (M)	1.94	2.27	4.21	3.84	3.01	6.85

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		5	Chhipabarod	Chhipabarod (CT)	2.47	0.99	3.46	4.87	1.76	6.63
		6	Kishanganj		2.71	0.00	2.71	5.33	0.00	5.33
		7	Shahbad		2.30	0.00	2.30	4.54	0.00	4.54
			Total		**15.73**	**17.08**	**32.81**	**30.97**	**23.03**	**54.00**
5	Barmer	1	Balotra	Balotra (M)	9.89	5.24	15.13	18.31	5.59	23.90
		2	Barmer	Barmer (M)	9.57	6.77	16.34	17.72	7.21	24.93
		3	Baytoo	Utarlai (CT)	8.21	0.24	8.45	15.22	0.26	15.48
		4	Chohtan		9.57	0.00	9.57	17.71	0.00	17.71
		5	Dhorimanna	Dhorimanna (CT)	8.30	0.34	8.64	15.37	0.36	15.73
		6	Sheo		6.73	0.00	6.73	12.47	0.00	12.47
		7	Sindhari		8.76	0.00	8.76	16.21	0.00	16.21
		8	Siwana		7.73	0.00	7.73	14.33	0.00	14.33
			Total		**68.76**	**12.59**	**81.35**	**127.34**	**13.42**	**140.76**
6	Bharatpur	1	Bayana	Bayana (M)	3.66	2.71	6.37	7.62	3.09	10.71
				Bayana (Rural) (CT)		0.30	0.30		0.34	0.34
		2	Deeg	Deeg (M)	2.94	3.17	6.11	6.16	3.60	9.76
		3	Kaman	Kaman (M)	4.59	2.67	7.26	9.59	3.04	12.63
		4	Kumher	Kumher (M)	2.89	1.66	4.55	6.02	1.89	7.91
		5	Nadbai	Nadbai (M)	3.07	1.86	4.93	6.39	2.11	8.50
		6	Nagar	Nagar (M)	4.83	1.80	6.63	10.09	2.04	12.13
		7	Rupbas		4.19	0.00	4.19	8.73	0.00	8.73
		8	Sewar	Bharatpur (M CL)	3.24	17.80	21.04	6.78	20.24	27.02
		9	Weir	Bhusawar (M)	3.91	1.04	4.95	8.16	1.60	9.76
				Weir (M)		1.01	1.01		1.56	1.56
			Total		**33.32**	**34.02**	**67.34**	**69.54**	**39.51**	**109.05**
7	Bhilwara		Asind	Asind (M)	3.86	0.87	4.73	7.88	1.01	8.89
			Banera		2.01	0.00	2.01	4.10	0.00	4.10

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
			Hurda	Gulabpura (M)	1.81	1.91	3.72	3.69	2.23	5.92
			Jahazpur	Jahazpur (M)	3.20	1.44	4.64	6.53	1.69	8.22
			Kotri		2.83	0.00	2.83	5.79	0.00	5.79
			Mandal		3.82	0.00	3.82	7.81	0.00	7.81
			Mandalgarh	Bijoliya Kalan (CT)	3.87	0.74	4.61	7.90	0.86	8.76
				Mandalgarh (M)		0.73	0.73		0.84	0.84
			Raipur		1.59	0.00	1.59	3.24	0.00	3.24
			Sahara	Gangapur (M)	1.89	0.99	2.88	3.86	1.54	5.40
			Shahpura	Shahpura (M)	2.87	2.13	5.00	5.86	2.49	8.35
			Suwana	Bhilwara (M CL)	3.02	25.30	28.32	6.19	29.44	35.63
				Hameer Garh (CT)		0.61	0.61		0.71	0.71
			Total		**30.77**	**34.72**	**65.49**	**62.85**	**40.81**	**103.66**
8	Bikaner	1	Bikaner	Bikaner (M.Corp)	7.67	45.36	53.03	13.31	60.21	73.52
				Deshnoke (M)		0.96	0.96		1.56	1.56
		2	Dungargarh	Dungargarh (M)	6.84	3.76	10.60	11.88	4.49	16.37
		3	Khajuwala	Beriyawali (CT)	2.70	0.61	3.31	5.74	0.74	6.48
		4	Kolayat	Kolayat (CT)	7.13	0.50	7.63	12.39	0.60	12.99
		5	Lunkaransar		7.39	0.00	7.39	12.83	0.00	12.83
		6	Nokha	Nokha (M)	10.62	4.41	15.03	18.44	5.27	23.71
			Total		**42.35**	**55.60**	**97.95**	**74.59**	**72.87**	**147.46**
9	Bundi	1	Bundi	Bundi (M)	2.47	7.39	9.86	4.83	8.57	13.40
		2	Hindoli		3.57	0.00	3.57	7.00	0.00	7.00
		3	Keshoraipatan	Indragarh (M)	3.18	0.39	3.57	6.23	0.46	6.69
				Kaprain (M)		1.46	1.46		1.70	1.70
				Keshoraipatan (M)		1.73	1.73		2.01	2.01
				Lakheri (M)		2.09	2.09		2.41	2.41
				Sumerganj Mandi (CT)		0.19	0.19		0.21	0.21

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		4	Nainwa	Nainwa (M)	2.87	1.01	3.88	5.62	1.59	7.21
		5	Talera	Budhpura (CT)	2.34	0.27	2.61	4.59	0.30	4.89
				Talera (CT)		0.37	0.37		0.44	0.44
			Total		**14.43**	**14.90**	**29.33**	**28.27**	**17.69**	**45.96**
10	Chittaurgarh	1	Badi Sadri	Bari Sadri (M)	1.63	0.81	2.44	3.24	0.93	4.17
		2	Bainsrorgarh	Rawatbhata (M)	1.61	2.66	4.27	3.20	2.99	6.19
		3	Begun	Begun (M)	1.91	1.46	3.37	3.81	1.64	5.45
		4	Bhadesar		2.01	0.00	2.01	4.00	0.00	4.00
		5	Bhopalsagar		1.31	0.00	1.31	2.62	0.00	2.62
		6	Chittorgarh	Chittaurgarh (M)	2.99	8.20	11.19	5.94	9.24	15.18
				Sawa (CT)		0.63	0.63		0.70	0.70
		7	Dungla		1.70	0.00	1.70	3.38	0.00	3.38
		8	Gangrar		1.69	0.00	1.69	3.36	0.00	3.36
		9	Kapasan	Kapasan (M)	1.58	1.47	3.05	3.14	1.66	4.80
		10	Nimbahera	Nimbahera (M)	2.56	4.36	6.92	5.10	4.91	10.01
		11	Rashmi		1.43	0.00	1.43	2.87	0.00	2.87
			Total		**20.42**	**19.59**	**40.01**	**40.66**	**22.07**	**62.73**
11	Churu	1	Churu	Churu (M CL)	5.04	8.46	13.50	8.60	9.47	18.07
				Ratannagar (M)		0.67	0.67		0.74	0.74
		2	Rajgarh	Rajgarh (M)	8.61	4.17	12.78	14.69	4.67	19.36
		3	Ratangarh	Rajaldesar (M)	5.49	1.93	7.42	9.37	2.16	11.53
				Ratangarh (M)		5.00	5.00		5.60	5.60
		4	Sardarshahar	Sardarshahar (M)	8.13	6.76	14.89	13.87	7.56	21.43
		5	Sujangarh	Bidasar (M)	9.17	2.51	11.68	15.64	2.81	18.45
				Chhapar (M)		1.03	1.03		1.56	1.56
				Sujangarh (M)		7.14	7.14		8.00	8.00
		6	Taranagar	Taranagar (M)	5.09	2.30	7.39	8.68	2.57	11.25

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
			Total		**41.53**	**39.97**	**81.50**	**70.85**	**45.14**	**115.99**
12	Dausa	1	Bandikui	Bandikui (M)	4.78	3.14	7.92	9.96	4.11	14.07
		2	Dausa	Dausa (M)	5.43	6.06	11.49	11.33	7.93	19.26
		3	Lalsot	Lalsot (M)	5.11	2.41	7.52	10.67	3.17	13.84
		4	Mahwa	Mahwa (CT)	3.70	1.74	5.44	7.71	2.29	10.00
				Mandawar (CT)		0.63	0.63		0.81	0.81
		5	Sikrai		4.22	0.00	4.22	8.81	0.00	8.81
			Total		**23.24**	**13.98**	**37.22**	**48.48**	**18.31**	**66.79**
13	Dhaulpur	1	Bari	Bari (M)	2.97	4.41	7.38	6.08	5.67	11.75
		2	Baseri	Sarmathura (CT)	3.68	0.94	4.62	7.53	1.63	9.16
		3	Dholpur	Dhaulpur (M)	5.30	9.37	14.67	10.84	12.04	22.88
		4	Rajakhera	Rajakhera (M)	3.61	2.37	5.98	7.41	3.04	10.45
			Total		**15.56**	**17.09**	**32.65**	**31.86**	**22.38**	**54.24**
14	Dungarpur	1	Aspur		3.63	0.00	3.63	7.77	0.00	7.77
		2	Bichhiwara	Dungarpur (M)	5.44	3.36	8.80	11.62	4.01	15.63
		3	Dungarpur		3.18	0.00	3.18	6.77	0.00	6.77
		4	Sagwara	Sagwara (M)	3.97	2.07	6.04	8.47	2.47	10.94
		5	Simalwara	Galiakot (CT)	4.86	0.24	5.10	10.37	0.30	10.67
				Seemalwara (CT)		0.36	0.36		0.43	0.43
			Total		**21.08**	**6.03**	**27.11**	**45.00**	**7.21**	**52.21**
15	Ganganagar	1	Anupgarh	1 GB-A(CT)	3.19	0.39	3.58	5.94	0.43	6.37
				Anupgarh (M)		2.17	2.17		2.44	2.44
				Vijainagar (M)		0.96	0.96		1.46	1.46
		2	Ganganagar	3 E Village (CT)	3.23	0.63	3.86	6.03	0.71	6.74
				Ganganagar (M Cl)		16.74	16.74		18.79	18.79
		3	Gharsana	24 AS-C(CT)	3.56	0.34	3.90	6.62	0.39	7.01
				3 STR (CT)		0.61	0.61		0.69	0.69

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				8 PSD-B(CT)		0.61	0.61		0.69	0.69
		4	Karanpur	Karanpur (M)	1.81	1.50	3.31	3.38	1.69	5.07
				Kesrisinghpur (M)		0.73	0.73		0.81	0.81
		5	Padampur	Gajsinghpur (M)	2.18	0.51	2.69	4.07	0.59	4.66
				Padampur (M)		0.96	0.96		1.46	1.46
		6	Raisinghnagar	Raisinghnagar (M)	2.72	2.00	4.72	5.09	2.24	7.33
		7	Sadulshahar	8 LLG(LALGARH) (CT)	2.51	0.59	3.10	4.68	0.67	5.35
				Sadulshahar (M)		1.76	1.76		1.97	1.97
		8	Suratgarh	Suratgarh (m)	4.07	4.97	9.04	7.58	5.57	13.15
			Total		**23.27**	**35.47**	**58.74**	**43.39**	**40.60**	**83.99**
16	Hanumangarh	1	Bhadra	Bhadra (M)	7.09	2.86	9.95	11.71	3.11	14.82
		2	Hanumangarh	Hanumangarh (M CL)	4.74	10.63	15.37	9.60	11.57	21.17
		3	Nohar	Nohar (M)	7.51	3.51	11.02	12.41	3.81	16.22
		4	Pilibanga	Pilibanga (M)	2.90	2.63	5.53	5.86	2.86	8.72
		5	Rawatsar	Rawatsar (M)	2.76	2.47	5.23	5.58	2.69	8.27
		6	Sangaria	Sangaria (M)	1.56	2.57	4.13	3.14	2.80	5.94
		7	Tibi		2.81	0.00	2.81	5.68	0.00	5.68
			Total		**29.37**	**24.67**	**54.04**	**53.98**	**26.84**	**80.82**
17	Jaipur	1	Amber	Akedadoongar (CT)	5.19	0.47	5.66	10.60	0.60	11.20
		2	Bassi	Baskhoh (CT)	3.81	0.59	4.40	7.80	0.74	8.54
				Bassi (CT)		1.83	1.83		2.34	2.34
				Kanota (CT)		0.59	0.59		0.74	0.74
		3	Chaksu	Chaksu (M)	3.09	2.36	5.45	6.31	3.00	9.31
		4	Dudu	Phulera (M)	10.00	1.84	11.84	16.69	2.34	19.03
		5	Govindgarh	Chomu (M)	5.23	4.53	9.76	10.71	5.79	16.50
				Govindgarh (CT)		0.40	0.40		0.51	0.51
		6	Jamwa Ramgarh	Jamwa Ramgarh (CT)	4.80	0.40	5.20	9.80	0.51	10.31

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		7	Jhotwara	Bagrana (CT)	2.09	0.56	2.65	4.27	0.71	4.98
				Jaipur (M Corp)		214.43	214.43		304.16	304.16
		8	Kotputli	Kotputli (M)	4.80	3.46	8.26	9.81	4.43	14.24
		9	Phagi		3.10	0.00	3.10	6.34	0.00	6.34
		10	Sambhar	Jobner (M)	3.50	0.59	4.09	7.16	0.76	7.92
				Kishangarh Renwal (M)		2.06	2.06		2.63	2.63
				Sambhar (M)		1.57	1.57		2.00	2.00
		11	Sanganer	Bagru (M)	2.83	2.20	5.03	5.80	2.80	8.60
		12	Shahpura	Manoharpur (CT)	3.14	1.43	4.57	6.43	1.83	8.26
				Shahpura (M)		2.39	2.39		3.04	3.04
		13	Viratnagar	Viratnagar (M)	3.87	1.44	5.31	7.91	1.84	9.75
			Total		**55.45**	**243.14**	**298.59**	**109.63**	**340.77**	**450.40**
18	Jaisalmer		Jaisalmer	Jaisalmer (M)	5.30	4.61	9.91	9.91	4.83	14.74
			Sankra	Pokaran (M)	4.47	1.66	6.13	8.36	1.74	10.10
			Som		6.72	0.00	6.72	12.56	0.00	12.56
			Total		**16.49**	**6.27**	**22.76**	**30.83**	**6.57**	**37.40**
19	Jalore	1	Ahore	Ahore (CT)	5.44	0.89	6.33	9.54	1.43	10.97
		2	Bhinmal		5.92	0.00	5.92	10.38	0.00	10.38
		3	Chitalwana		4.38	0.00	4.38	9.41	0.00	9.41
		4	Jalore	Jalor (M)	4.54	3.80	8.34	7.97	4.59	12.56
		5	Jaswantpura	Bhinmal (M)	5.60	3.37	8.97	9.82	4.06	13.88
		6	Raniwara		5.87	0.00	5.87	10.30	0.00	10.30
		7	Sanchore	Sanchore (M)	5.24	2.31	7.55	9.19	2.79	11.98
		8	Sayla		7.32	0.00	7.32	12.83	0.00	12.83
			Total		**44.31**	**10.37**	**54.68**	**79.44**	**12.87**	**92.31**
20	Jhalawar	1	Bakani	Bakani (CT)	2.80	0.51	3.31	5.63	0.63	6.26
		2	Dag	Kolvi @ Mandi Rajendrapur	3.28	0.44	3.72	6.60	0.56	7.16

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				(CT)						
		3	Jhalrapatan	Bhawani Mandi (M)	4.08	2.97	7.05	8.23	3.70	11.93
				Jhalarpathan (M)		2.64	2.64		3.29	3.29
				Jhalawar (M)		4.71	4.71		5.86	5.86
		4	Khanpur	Khanpur (CT)	2.59	0.73	3.32	5.21	0.90	6.11
		5	ManoharThana	Aklera (M)	3.19	1.84	5.03	6.43	2.30	8.73
				Manoharthana (CT)		0.59	0.59		0.73	0.73
		6	Pirawa	Pirawa (M)	3.24	0.67	3.91	6.53	0.83	7.36
			Total		**19.18**	**15.10**	**34.28**	**38.63**	**18.80**	**57.43**
21	Jhunjhunu	1	Alsisar	Bissau (M)	4.72	1.63	6.35	7.27	1.90	9.17
		2	Buhana	Singhana (CT)	6.02	0.60	6.62	9.27	0.69	9.96
		3	Chirawa	Chirawa (M)	3.88	3.10	6.98	5.97	3.59	9.56
		4	Jhunjhunun	Baggar (M)	4.61	0.74	5.35	7.10	0.86	7.96
				Islampur (CT)		0.53	0.53		0.61	0.61
				Jhunjhunun (M CL)		8.34	8.34		9.67	9.67
				Malsisar (CT)		0.71	0.71		0.83	0.83
				Mandawa (M)		1.64	1.64		1.90	1.90
				Nooan (CT)		0.31	0.31		0.37	0.37
		5	Khetri	Babai (CT)	6.59	0.56	7.15	10.14	0.64	10.78
				Gothra (CT)		0.89	0.89		1.03	1.03
				Khetri (M)		0.94	0.94		1.49	1.49
		6	Nawalgarh	Mukandgarh (M)	6.93	0.96	7.89	10.67	1.51	12.18
				Nawalgarh (M)		4.50	4.50		5.21	5.21
		7	Surajgarh	Pilani (M)	6.49	2.10	8.59	9.99	2.43	12.42
				Surajgarh (M)		1.53	1.53		1.77	1.77
				Vidyavihar (M)		0.81	0.81		0.94	0.94
		8	Udaipurwati	Udaipurwati (M)	7.53	2.06	9.59	11.60	2.39	13.99

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
			Total		**46.77**	**31.95**	**78.72**	**72.01**	**37.83**	**109.84**
22	Jodhpur	1	Balesar		6.17	0.00	6.17	10.93	0.00	10.93
		2	Bap		8.40	0.00	8.40	14.91	0.00	14.91
		3	Bawari		2.92	0.00	2.92	6.37	0.00	6.37
		4	Bhopalgarh		6.84	0.00	6.84	12.14	0.00	12.14
		5	Bilara	Bilara (M)	5.90	2.79	8.69	10.46	3.44	13.90
				Pipar City (M)		2.59	2.59		3.20	3.20
		6	Luni	Kuri Bhagtasani (CT)	7.52	2.70	10.22	13.34	3.33	16.67
				Sangariya (CT)		1.61	1.61		1.99	1.99
		7	Mandore	Jodhpur (M Corp. + OG)	5.59	74.34	79.93	9.92	101.84	111.76
				Nandri (CT)		1.47	1.47		1.81	1.81
		8	Osian		10.34	0.00	10.34	18.36	0.00	18.36
		9	Phalodi	Phalodi (M + OG)	6.21	3.51	9.72	11.01	4.33	15.34
		10	Shergarh		6.67	0.00	6.67	11.83	0.00	11.83
			Total		**66.56**	**89.01**	**155.57**	**119.27**	**119.94**	**239.21**
23	Karauli	1	Hindaun	Hindaun (M)	5.17	7.43	12.60	10.63	8.69	19.32
		2	Karauli	Karauli (M)	4.32	5.84	10.16	8.89	6.83	15.72
		3	Nadoti		2.44	0.00	2.44	5.03	0.00	5.03
		4	Sapotra	Sapotra (CT)	4.49	0.36	4.85	9.23	0.41	9.64
		5	Todabhim	Todabhim (M)	3.70	1.61	5.31	7.62	1.89	9.51
			Total		**20.12**	**15.24**	**35.36**	**41.40**	**17.82**	**59.22**
24	Kota	1	Itawa		2.92	0.00	2.92	5.39	0.00	5.39
		2	Khairabad	Chechat (CT)	2.33	0.61	2.94	4.30	0.80	5.10
				Khairabad (CT)		0.63	0.63		0.81	0.81
				Kumbhkot (CT)		0.34	0.34		0.46	0.46
				Modak (CT)		0.49	0.49		0.63	0.63
				Ramganj Mandi (M)		2.91	2.91		3.81	3.81

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Satalkheri (CT)		0.81	0.81		1.44	1.44
				Suket (CT)		1.57	1.57		2.06	2.06
				Udpura (CT)		0.53	0.53		0.69	0.69
		3	Ladpura	Kaithoon (M)	1.91	1.71	3.62	3.53	2.24	5.77
				Kota (M Corp.)		70.51	70.51		102.69	102.69
		4	Sangod	Sangod (M)	2.67	1.54	4.21	4.92	2.01	6.93
		5	Sultanpur		2.73	0.00	2.73	5.06	0.00	5.06
			Total		**12.56**	**81.65**	**94.21**	**23.20**	**117.64**	**140.84**
25	Nagaur	1	Degana	Goredi Chancha (CT)	6.32	0.56	6.88	10.36	0.69	11.05
				Jhagarwas (CT)		0.30	0.30		0.37	0.37
		2	Didwana	Didwana (M + OG)	9.74	3.79	13.53	15.97	4.66	20.63
		3	Jayal		7.63	0.00	7.63	12.51	0.00	12.51
		4	Kuchaman city	Kuchaman City (M)	9.11	4.36	13.47	14.92	5.37	20.29
				Nawa (M)		1.56	1.56		1.91	1.91
		5	Ladnu	Ladnu (M)	5.32	4.61	9.93	8.71	5.69	14.40
		6	Makrana	Borawar (CT)	5.84	1.76	7.60	9.57	2.17	11.74
				Makrana (M)		6.66	6.66		8.20	8.20
				Makrana Village (CT)		1.53	1.53		1.89	1.89
		7	Merta	Gothan (CT)	5.88	0.93	6.81	9.62	1.53	11.15
				Merta City (M)		3.24	3.24		4.00	4.00
				Merta Road (CT)		0.89	0.89		1.47	1.47
		8	Mundwa	Kuchera (M)	7.44	1.66	9.10	12.20	2.04	14.24
				Mundwa (M)		0.89	0.89		1.46	1.46
		9	Nagaur	Basni Belima (CT)	7.81	2.06	9.87	12.80	2.53	15.33
				Chenar Village (CT)		0.29	0.29		0.36	0.36
				Nagaur (M + OG)		7.40	7.40		9.13	9.13
		10	Parbatsar	Parbatsar (M)	5.93	0.79	6.72	9.71	0.97	10.68

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		11	Riyan		4.78	0.00	4.78	7.83	0.00	7.83
			Total		**75.80**	**43.28**	**119.08**	**124.20**	**54.44**	**178.64**
26	Pali	1	Bali	Bali (M)	6.22	1.04	7.26	9.72	1.56	11.28
				Falna (M)		1.74	1.74		1.94	1.94
		2	Desuri	Sadri (M)	3.33	1.93	5.26	5.21	2.14	7.35
		3	Jaitaran	Jaitaran (M)	5.80	1.59	7.39	9.06	1.77	10.83
		4	Marwar Junction	Marwar Junction (CT)	5.31	0.63	5.94	8.29	0.70	8.99
		5	Pali	Pali (M CL)	3.22	16.20	19.42	5.03	18.04	23.07
		6	Raipur		5.82	0.00	5.82	9.10	0.00	9.10
		7	Rani	Rani (M)	2.86	0.73	3.59	4.46	0.80	5.26
		8	Rohat		3.43	0.00	3.43	5.37	0.00	5.37
		9	Sojat	Sojat (M)	4.69	3.03	7.72	7.33	3.37	10.70
				Sojat Road (CT)		0.66	0.66		0.73	0.73
		10	Sumerpur	Sumerpur (M)	4.10	2.61	6.71	6.40	2.91	9.31
				Takhatgarh (M)		0.87	0.87		0.97	0.97
			Total		**44.78**	**31.03**	**75.81**	**69.97**	**34.93**	**104.90**
27	Pratapgarh	1	Arnod		2.29	0.00	2.29	4.86	0.00	4.86
		2	Chhoti Sadri	Chhoti Sadri (M)	1.88	0.96	2.84	3.98	0.96	4.94
		3	Dhariawad	Dhariawad (CT)	2.90	0.59	3.49	6.14	0.60	6.74
		4	Peepalkhoont		2.50	0.00	2.50	5.30	0.00	5.30
		5	Pratapgarh	Pratapgarh (M)	3.36	2.96	6.32	7.11	2.97	10.08
			Total		**12.93**	**4.51**	**17.44**	**27.39**	**4.53**	**31.92**
28	Rajsamand	1	Amet	Amet (M)	1.54	0.90	2.44	3.02	1.56	4.58
				Sardargarh (CT)		0.34	0.34		0.44	0.44
		2	Bhim	Bhim (CT)	4.52	0.60	5.12	7.24	0.77	8.01
		3	Deogarh	Deogarh (M)	2.64	0.91	3.55	4.23	1.59	5.82
		4	Khamnor	Delwara (CT)	3.21	0.23	3.44	6.31	0.30	6.61

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Nathdwara (M)		2.96	2.96		3.77	3.77
		5	Kumbhalgarh		2.34	0.00	2.34	4.59	0.00	4.59
		6	Railmagra		2.13	0.00	2.13	4.19	0.00	4.19
		7	Rajsamand	Emri (CT)	2.44	0.24	2.68	4.80	0.31	5.11
				Kelwa (CT)		0.61	0.61		0.79	0.79
				Rajsamand (M)		4.77	4.77		6.09	6.09
			Total		**18.82**	**11.56**	**30.38**	**34.38**	**15.62**	**50.00**
29	Sawai Madhopur	1	Bamanwas		2.79	0.00	2.79	5.68	0.00	5.68
		2	Bonli	Kasba Bonli (CT)	3.78	0.80	4.58	7.71	0.94	8.65
		3	Gangapur	Gangapur City (M)	3.51	8.39	11.90	7.16	9.84	17.00
				Mahu Kalan (CT)		0.57	0.57		0.67	0.67
		4	Khander		3.28	0.00	3.28	6.68	0.00	6.68
		5	Sawai Madhopur	Sawai Madhopur (M)	3.99	8.53	12.52	8.12	10.01	18.13
			Total		**17.35**	**18.29**	**35.64**	**35.35**	**21.46**	**56.81**
30	Sikar	1	Danta Ramgarh	Bay (CT)	8.98	0.31	9.29	14.28	0.39	14.67
				Danta (CT)		0.81	0.81		1.01	1.01
				Losal (M)		2.00	2.00		2.49	2.49
				Ramgarh (CT)		0.41	0.41		0.51	0.51
		2	Dhond		7.09	0.00	7.09	11.29	0.00	11.29
		3	Fatehpur	Fatehpur (M)	6.20	6.51	12.71	9.86	8.09	17.95
				Ramgarh (M)		2.33	2.33		2.89	2.89
		4	Khandela	Kanwat (CT)	7.71	0.41	8.12	12.27	0.51	12.78
				Khandela (M + OG)		2.04	2.04		2.54	2.54
		5	Lachhmangarh	Lachhmangarh (M)	6.51	3.76	10.27	10.36	4.67	15.03
		6	Neem Ka Thana	Guhala (CT)	10.14	0.33	10.47	16.14	0.41	16.55
				Neem-Ka-Thana (M)		2.56	2.56		3.17	3.17
		7	Piprali	Sikar (M Cl + OG)	5.66	17.21	22.87	8.99	21.36	30.35

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		8	Sri Madhopur	Ajeetgarh (CT)	5.73	0.80	6.53	9.12	1.00	10.12
				Reengus (M)		1.84	1.84		2.29	2.29
				Sri Madhopur (M)		2.21	2.21		2.74	2.74
			Total		**58.02**	**43.53**	**101.55**	**92.31**	**54.07**	**146.38**
31	Sirohi	1	Abu Road	Abu Road (M + OG)	2.22	3.91	6.13	4.52	4.97	9.49
				Mount Abu (M)		1.61	1.61		2.06	2.06
				Santpur (Rural) (CT)		0.49	0.49		0.61	0.61
		2	Pindwara	Bhavri (CT)	3.60	0.80	4.40	7.33	1.01	8.34
				Pindwara (M)		1.73	1.73		2.19	2.19
		3	Reodar	Reodar (CT)	3.47	0.43	3.90	7.07	0.54	7.61
		4	Sheoganj	Sheoganj (M + OG)	3.24	1.97	5.21	5.40	2.51	7.91
		5	Sirohi	Goyli (CT)	2.29	0.30	2.59	4.67	0.39	5.06
				Sirohi (M)		2.76	2.76		3.51	3.51
			Total		**14.82**	**14.00**	**28.82**	**28.99**	**17.79**	**46.78**
32	Tonk	1	Deoli	Deoli (M)	3.12	1.56	4.68	6.21	1.83	8.04
		2	Malpura	Malpura (M)	3.32	2.54	5.86	6.61	2.99	9.60
		3	Niwai	Banasthali (CT)	3.17	0.67	3.84	6.30	0.79	7.09
				Niwai (M)		2.66	2.66		3.13	3.13
		4	Todaraisingh	Todaraisingh (M)	2.00	1.66	3.66	3.98	1.96	5.94
		5	Tonk	Tonk (M CL)	3.88	11.63	15.51	7.72	13.71	21.43
		6	Uniara	Aligarh (CT)	2.41	0.40	2.81	4.80	0.47	5.27
				Uniara (M)		0.66	0.66		0.77	0.77
			Total		**17.90**	**21.78**	**39.68**	**35.62**	**25.65**	**61.27**
33	Udaipur	1	Bargaon	Bargaon (Rural) (CT)	1.66	0.49	2.15	3.48	0.57	4.05
				Bedla (CT)		0.30	0.30		0.36	0.36
				Bhuwana (CT)		0.91	0.91		1.47	1.47
		2	Bhindar	Bhinder (M)	3.90	0.93	4.83	8.21	1.50	9.71

S. No.	District	S. No.	Block	Town	2010 Gross Water Demand, Mm^3			2020 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Kanor (M)		0.69	0.69		0.81	0.81
		3	Girwa	Bichhri (CT)	5.00	0.23	5.23	10.51	0.27	10.78
				Udaipur (M CL)		31.76	31.76		41.90	41.90
		4	Gogunda	Gogunda (CT)	5.86	0.46	6.32	10.04	0.54	10.58
		5	Jhadol		4.04	0.00	4.04	8.50	0.00	8.50
		6	Kherwara	Kherwara Chhaoni (CT)	3.23	0.40	3.63	6.80	0.47	7.27
		7	Kotra		3.74	0.00	3.74	7.87	0.00	7.87
		8	Lasadiya		1.48	0.00	1.48	3.11	0.00	3.11
		9	Mavli	Fatehnagar (M)	3.59	1.60	5.19	7.56	1.90	9.46
				Mavli (CT)		0.49	0.49		0.57	0.57
		10	Rishabhdeo	Rishabhdeo (CT)	2.66	0.47	3.13	5.59	0.57	6.16
		11	Salumbar	Salumbar (M)	3.77	0.86	4.63	7.91	1.01	8.92
		12	Sarda	Bhalariya (CT)	3.50	0.20	3.70	7.37	0.24	7.61
				Chawand (CT)		0.23	0.23		0.26	0.26
				Newa Talai (CT)		0.13	0.13		0.16	0.16
				Semari (CT)		0.24	0.24		0.29	0.29
			Total		**42.43**	**40.39**	**82.82**	**86.95**	**52.89**	**139.84**
			State Total		**1073.46**	**1171.91**	**2245.37**	**1997.20**	**1499.30**	**3496.50**

M- Municipality; M CL - Municipal Council; CT - Census Town; M Corp - Municipal Corporation; CB - Contonment Board; OG - Out Growth

Note: Considering 10% losses in rural areas and 30% losses in urban areas.

Table B-3.12 Gross Domestic Water Demand-Present and Projected (continued)

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
1	Ajmer	1	Arain	Sarwar (M)	6.81	2.00	8.81	7.60	2.27	9.87
		2	Bhinay		7.33	0.00	7.33	8.19	0.00	8.19
		3	Jawaja	Beawar (M CL)	7.88	14.81	22.69	8.80	16.83	25.63
		4	Kekri	Kekri (M)	6.61	4.10	10.71	7.38	4.66	12.04
		5	Kishangarh	Kishangarh (M CL)	7.39	15.19	22.58	8.24	17.24	25.48
		6	Masuda	Baral (CT)	7.62	0.46	8.08	8.52	0.53	9.05
				Vijainagar (M)		3.14	3.14		3.57	3.57
		7	Peesangan	Ajmer (M Corp)	16.74	59.07	75.81	18.70	67.07	85.77
				Pushkar (M)		2.11	2.11		2.41	2.41
				Boraj-Kazipura (CT)		0.64	0.64		0.73	0.73
				Nasirabad (CB)		4.99	4.99		5.66	5.66
		8	Srinagar	Badlya (CT)	11.71	0.37	12.08	13.08	0.41	13.49
			Total		**72.09**	**106.88**	**178.97**	**80.51**	**121.38**	**201.89**
2	Alwar	1	Bansur		10.76	0.00	10.76	12.00	0.00	12.00
		2	Behror	Behror (M)	6.07	4.19	10.26	6.78	5.13	11.91
		3	Kathumar	Kherli (M)	10.31	2.50	12.81	11.51	3.06	14.57
		4	Kishangarh Bas	Khairthal (M)	10.88	5.41	16.29	12.13	6.64	18.77
				Kishangarh (CT)		1.76	1.76		2.16	2.16
		5	Kotkasim		5.60	0.00	5.60	6.26	0.00	6.26
		6	Lachhmangarh	Govindgarh (CT)	10.90	1.63	12.53	12.16	2.00	14.16
		7	Mandawar		9.46	0.00	9.46	10.54	0.00	10.54
		8	Nimarana	Neemrana (CT)	6.69	0.74	7.43	7.47	0.91	8.38
				Shahjahanpur (CT)		1.03	1.03		1.71	1.71
		9	Rajgarh	Rajgarh (M)	8.93	3.77	12.70	9.97	4.63	14.60
		10	Ramgarh	Ramgarh (CT)	10.10	1.91	12.01	11.28	2.34	13.62
				Desoola (CT)		0.77	0.77		0.94	0.94

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		11	Reni		4.54	0.00	4.54	5.07	0.00	5.07
		12	Thanagazi		9.52	0.00	9.52	10.62	0.00	10.62
		13	Tijara	Bhiwadi (M)	10.51	14.84	25.35	11.72	18.21	29.93
				Tapookra (CT)		0.99	0.99		1.64	1.64
				Tijara (M)		3.50	3.50		4.30	4.30
		14	Umren	Alwar (M CL)	12.22	50.71	62.93	13.63	62.23	75.86
				Bhoogar (CT)		0.80	0.80		0.99	0.99
				Diwakari (CT)		1.59	1.59		1.94	1.94
			Total		**126.49**	**96.14**	**222.63**	**141.14**	**118.83**	**259.97**
3	Banswara	1	Anandpur		7.32	0.00	7.32	8.46	0.00	8.46
		2	Bagidora		10.82	0.00	10.82	12.49	0.00	12.49
		3	Banswara	Banswara (M)	11.54	7.73	19.27	13.33	9.74	23.07
		4	Choti Sarwan		5.80	0.00	5.80	6.70	0.00	6.70
		5	Ghari	Garhi (CT)	13.72	0.30	14.02	15.84	0.37	16.21
				Partapur (CT)		0.61	0.61		0.77	0.77
		6	Ghatol		13.93	0.00	13.93	16.09	0.00	16.09
		7	Kushalgarh	Kushalgarh (M)	11.30	0.60	11.90	13.04	0.76	13.80
		8	Sajjangarh		6.58	0.00	6.58	7.60	0.00	7.60
			Total		**81.01**	**9.24**	**90.25**	**93.55**	**11.64**	**105.19**
4	Baran	1	Antah	Antah (M)	6.42	4.40	10.82	7.06	5.31	12.37
				Mangrol (M)		3.41	3.41		4.11	4.11
		2	Atru	Atru (CT)	4.63	1.51	6.14	5.09	1.83	6.92
				Kawai (CT)		0.96	0.96		1.56	1.56
				Kherliganj (CT)		0.71	0.71		0.86	0.86
		3	Baran	Baran (M)	3.62	16.04	19.66	3.98	19.39	23.37
		4	Chhabra	Chhabra (M)	4.54	4.39	8.93	5.00	5.30	10.30
		5	Chhipabarod	Chhipabarod (CT)	5.76	2.56	8.32	6.33	3.10	9.43
		6	Kishanganj		6.32	0.00	6.32	6.94	0.00	6.94

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		7	Shahbad		5.38	0.00	5.38	5.91	0.00	5.91
			Total		**36.67**	**33.98**	**70.65**	**40.31**	**41.46**	**81.77**
5	Barmer	1	Balotra	Balotra (M)	26.18	6.44	32.62	30.71	8.31	39.02
		2	Barmer	Barmer (M)	25.33	8.33	33.66	29.72	10.73	40.45
		3	Baytoo	Utarlai (CT)	21.76	0.30	22.06	25.52	0.39	25.91
		4	Chohtan		25.32	0.00	25.32	29.71	0.00	29.71
		5	Dhorimanna	Dhorimanna (CT)	21.98	0.41	22.39	25.78	0.54	26.32
		6	Sheo		17.82	0.00	17.82	20.91	0.00	20.91
		7	Sindhari		23.18	0.00	23.18	27.20	0.00	27.20
		8	Siwana		20.49	0.00	20.49	24.03	0.00	24.03
			Total		**182.06**	**15.48**	**197.54**	**213.58**	**19.97**	**233.55**
6	Bharatpur	1	Bayana	Bayana (M)	9.74	3.80	13.54	10.99	4.44	15.43
				Bayana (Rural) (CT)		0.43	0.43		0.50	0.50
		2	Deeg	Deeg (M)	7.86	4.44	12.30	8.87	5.19	14.06
		3	Kaman	Kaman (M)	12.26	3.76	16.02	13.82	4.39	18.21
		4	Kumher	Kumher (M)	7.69	2.33	10.02	8.68	2.71	11.39
		5	Nadbai	Nadbai (M)	8.17	2.60	10.77	9.21	3.04	12.25
		6	Nagar	Nagar (M)	12.89	2.53	15.42	14.54	2.94	17.48
		7	Rupbas		11.16	0.00	11.16	12.59	0.00	12.59
		8	Sewar	Bharatpur (M CL)	8.66	24.96	33.62	9.78	29.14	38.92
		9	Weir	Bhusawar (M)	10.41	1.97	12.38	11.76	2.30	14.06
				Weir (M)		1.91	1.91		2.23	2.23
			Total		**88.84**	**48.73**	**137.57**	**100.24**	**56.88**	**157.12**
7	Bhilwara		Asind	Asind (M)	9.78	1.73	11.51	10.93	2.01	12.94
			Banera		5.10	0.00	5.10	5.69	0.00	5.69
			Hurda	Gulabpura (M)	4.59	2.83	7.42	5.13	3.31	8.44
			Jahazpur	Jahazpur (M)	8.12	2.14	10.26	9.08	2.50	11.58
			Kotri		7.20	0.00	7.20	8.04	0.00	8.04

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
			Mandal		9.70	0.00	9.70	10.84	0.00	10.84
			Mandalgarh	Bijoliya Kalan (CT)	9.81	1.47	11.28	10.97	1.71	12.68
				Mandalgarh (M)		1.44	1.44		1.69	1.69
			Raipur		4.03	0.00	4.03	4.50	0.00	4.50
			Sahara	Gangapur (M)	4.79	1.96	6.75	5.36	2.29	7.65
			Shahpura	Shahpura (M)	7.28	3.14	10.42	8.13	3.69	11.82
			Suwana	Bhilwara (M CL)	7.69	41.50	49.19	8.59	48.56	57.15
				Hameer Garh (CT)		0.90	0.90		1.41	1.41
			Total		**78.09**	**57.11**	**135.20**	**87.26**	**67.17**	**154.43**
8	Bikaner	1	Bikaner	Bikaner (M.Corp)	17.44	78.39	95.83	19.87	91.34	111.21
				Deshnoke (M)		2.03	2.03		2.36	2.36
		2	Dungargarh	Dungargarh (M)	15.57	5.83	21.40	17.72	6.80	24.52
		3	Khajuwala	Beriyawali (CT)	7.52	0.96	8.48	8.57	1.51	10.08
		4	Kolayat	Kolayat (CT)	16.23	0.79	17.02	18.48	0.91	19.39
		5	Lunkaransar		16.81	0.00	16.81	19.14	0.00	19.14
		6	Nokha	Nokha (M)	24.17	6.87	31.04	27.51	8.00	35.51
			Total		**97.74**	**94.87**	**192.61**	**111.29**	**110.92**	**222.21**
9	Bundi	1	Bundi	Bundi (M)	5.69	10.83	16.52	6.23	12.63	18.86
		2	Hindoli		8.24	0.00	8.24	9.04	0.00	9.04
		3	Keshoraipatan	Indragarh (M)	7.33	0.57	7.90	8.04	0.66	8.70
				Kaprain (M)		2.14	2.14		2.50	2.50
				Keshoraipatan (M)		2.54	2.54		2.97	2.97
				Lakheri (M)		3.06	3.06		3.56	3.56
				Sumerganj Mandi (CT)		0.27	0.27		0.33	0.33
		4	Nainwa	Nainwa (M)	6.61	2.01	8.62	7.26	2.34	9.60
		5	Talera	Budhpura (CT)	5.40	0.39	5.79	5.92	0.46	6.38
				Talera (CT)		0.56	0.56		0.64	0.64
			Total		**33.27**	**22.37**	**55.64**	**36.49**	**26.09**	**62.58**

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
10	Chittaurgarh	1	Badi Sadri	Bari Sadri (M)	3.89	1.53	5.42	4.30	1.77	6.07
		2	Bainsrorgarh	Rawatbhata (M)	3.83	3.66	7.49	4.23	4.24	8.47
		3	Begun	Begun (M)	4.57	2.00	6.57	5.04	2.33	7.37
		4	Bhadesar		4.80	0.00	4.80	5.30	0.00	5.30
		5	Bhopalsagar		3.14	0.00	3.14	3.47	0.00	3.47
		6	Chittorgarh	Chittaurgarh (M)	7.12	11.29	18.41	7.87	13.11	20.98
				Sawa (CT)		0.86	0.86		1.00	1.00
		7	Dungla		4.04	0.00	4.04	4.47	0.00	4.47
		8	Gangrar		4.02	0.00	4.02	4.44	0.00	4.44
		9	Kapasan	Kapasan (M)	3.77	2.03	5.80	4.17	2.36	6.53
		10	Nimbahera	Nimbahera (M)	6.11	6.00	12.11	6.74	6.99	13.73
		11	Rashmi		3.43	0.00	3.43	3.79	0.00	3.79
			Total		**48.72**	**27.37**	**76.09**	**53.82**	**31.80**	**85.62**
11	Churu	1	Churu	Churu (M CL)	10.99	11.30	22.29	12.41	12.89	25.30
				Ratannagar (M)		0.90	0.90		1.01	1.01
		2	Rajgarh	Rajgarh (M)	18.79	5.57	24.36	21.21	6.34	27.55
		3	Ratangarh	Rajaldesar (M)	11.98	2.59	14.57	13.52	2.94	16.46
				Ratangarh (M)		6.69	6.69		7.63	7.63
		4	Sardarshahar	Sardarshahar (M)	17.74	9.03	26.77	20.03	10.29	30.32
		5	Sujangarh	Bidasar (M)	20.00	3.36	23.36	22.58	3.83	26.41
				Chhapar (M)		1.86	1.86		2.11	2.11
				Sujangarh (M)		9.56	9.56		10.89	10.89
		6	Taranagar	Taranagar (M)	11.10	3.07	14.17	12.52	3.50	16.02
			Total		**90.60**	**53.93**	**144.53**	**102.27**	**61.43**	**163.70**
12	Dausa	1	Bandikui	Bandikui (M)	12.71	6.13	18.84	14.34	7.66	22.00
		2	Dausa	Dausa (M)	14.48	11.80	26.28	16.33	14.73	31.06
		3	Lalsot	Lalsot (M)	13.61	4.71	18.32	15.37	5.89	21.26
		4	Mahwa	Mahwa (CT)	9.84	3.41	13.25	11.11	4.26	15.37

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Mandawar (CT)		1.64	1.64		2.04	2.04
		5	Sikrai		11.26	0.00	11.26	12.70	0.00	12.70
			Total		**61.90**	**27.69**	**89.59**	**69.85**	**34.58**	**104.43**
13	Dhaulpur	1	Bari	Bari (M)	7.58	8.13	15.71	8.48	9.84	18.32
		2	Baseri	Sarmathura (CT)	9.39	2.33	11.72	10.51	2.83	13.34
		3	Dholpur	Dhaulpur (M)	13.52	17.26	30.78	15.13	20.87	36.00
		4	Rajakhera	Rajakhera (M)	9.23	4.37	13.60	10.33	5.29	15.62
			Total		**39.72**	**32.09**	**71.81**	**44.45**	**38.83**	**83.28**
14	Dungarpur	1	Aspur		10.33	0.00	10.33	11.97	0.00	11.97
		2	Bichhiwara	Dungarpur (M)	15.46	4.76	20.22	17.91	4.93	22.84
		3	Dungarpur		9.01	0.00	9.01	10.43	0.00	10.43
		4	Sagwara	Sagwara (M)	11.27	2.94	14.21	13.06	3.04	16.10
		5	Simalwara	Galiakot (CT)	13.80	0.34	14.14	15.99	0.36	16.35
				Seemalwara (CT)		0.51	0.51		0.53	0.53
			Total		**59.87**	**8.55**	**68.42**	**69.36**	**8.86**	**78.22**
15	Ganganagar	1	Anupgarh	1 GB-A(CT)	6.53	0.51	7.04	7.01	0.59	7.60
				Anupgarh (M)		2.91	2.91		3.31	3.31
				Vijainagar (M)		1.74	1.74		1.97	1.97
		2	Ganganagar	3 E Village (CT)	6.63	0.84	7.47	7.10	0.96	8.06
				Ganganagar (M Cl)		22.49	22.49		25.47	25.47
		3	Gharsana	24 AS-C(CT)	7.29	0.47	7.76	7.81	0.53	8.34
				3 STR (CT)		0.81	0.81		0.93	0.93
				8 PSD-B(CT)		0.81	0.81		0.93	0.93
		4	Karanpur	Karanpur (M)	3.71	2.01	5.72	3.98	2.29	6.27
				Kesrisinghpur (M)		0.99	0.99		1.50	1.50
		5	Padampur	Gajsinghpur (M)	4.47	0.70	5.17	4.79	0.80	5.59
				Padampur (M)		1.74	1.74		1.97	1.97
		6	Raisinghnagar	Raisinghnagar (M)	5.59	2.69	8.28	6.00	3.03	9.03

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		7	Sadulshahar	8 LLG(LALGARH) (CT)	5.14	0.80	5.94	5.51	0.90	6.41
				Sadulshahar (M)		2.36	2.36		2.67	2.67
		8	Suratgarh	Suratgarh (m)	8.33	6.67	15.00	8.93	7.56	16.49
			Total		**47.69**	**48.54**	**96.23**	**51.13**	**55.41**	**106.54**
16	Hanumangarh	1	Bhadra	Bhadra (M)	14.34	3.61	17.95	15.96	4.14	20.10
		2	Hanumangarh	Hanumangarh (M CL)	11.77	13.44	25.21	13.09	15.39	28.48
		3	Nohar	Nohar (M)	15.21	4.44	19.65	16.92	5.09	22.01
		4	Pilibanga	Pilibanga (M)	7.18	3.31	10.49	7.99	3.80	11.79
		5	Rawatsar	Rawatsar (M)	6.83	3.13	9.96	7.61	3.57	11.18
		6	Sangaria	Sangaria (M)	3.86	3.26	7.12	4.30	3.73	8.03
		7	Tibi		6.96	0.00	6.96	7.74	0.00	7.74
			Total		**66.15**	**31.19**	**97.34**	**73.61**	**35.72**	**109.33**
17	Jaipur	1	Amber	Akedadoongar (CT)	13.18	0.84	14.02	14.73	1.00	15.73
		2	Bassi	Baskhoh (CT)	9.70	1.41	11.11	10.83	1.67	12.50
				Bassi (CT)		3.29	3.29		3.89	3.89
				Kanota (CT)		1.43	1.43		1.69	1.69
		3	Chaksu	Chaksu (M)	7.84	4.23	12.07	8.77	4.99	13.76
		4	Dudu	Phulera (M)	20.74	3.30	24.04	23.19	3.90	27.09
		5	Govindgarh	Chomu (M)	13.31	8.14	21.45	14.88	9.61	24.49
				Govindgarh (CT)		0.73	0.73		0.86	0.86
		6	Jamwa Ramgarh	Jamwa Ramgarh (CT)	12.19	0.71	12.90	13.62	0.84	14.46
		7	Jhotwara	Bagrana (CT)	5.31	1.01	6.32	5.93	1.61	7.54
				Jaipur (M Corp)		427.71	427.71		505.46	505.46
		8	Kotputli	Kotputli (M)	12.19	6.21	18.40	13.62	7.34	20.96
		9	Phagi		7.88	0.00	7.88	8.81	0.00	8.81
		10	Sambhar	Jobner (M)	8.90	1.43	10.33	9.94	1.70	11.64
				Kishangarh Renwal (M)		3.69	3.69		4.36	4.36

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Sambhar (M)		2.83	2.83		3.33	3.33
		11	Sanganer	Bagru (M)	7.21	3.94	11.15	8.06	4.66	12.72
		12	Shahpura	Manoharpur (CT)	7.99	2.56	10.55	8.93	3.03	11.96
				Shahpura (M)		4.29	4.29		5.06	5.06
		13	Viratnagar	Viratnagar (M)	9.83	2.60	12.43	10.99	3.07	14.06
			Total		**136.27**	**480.35**	**616.62**	**152.30**	**568.07**	**720.37**
18	Jaisalmer		Jaisalmer	Jaisalmer (M)	14.36	5.09	19.45	16.91	5.86	22.77
			Sankra	Pokaran (M)	12.10	1.83	13.93	14.27	2.10	16.37
			Som		18.18	0.00	18.18	21.42	0.00	21.42
			Total		**44.64**	**6.92**	**51.56**	**52.60**	**7.96**	**60.56**
19	Jalore	1	Ahore	Ahore (CT)	12.68	1.97	14.65	14.50	2.51	17.01
		2	Bhinmal		13.78	0.00	13.78	15.77	0.00	15.77
		3	Chitalwana		12.49	0.00	12.49	14.29	0.00	14.29
		4	Jalore	Jalor (M)	10.58	6.33	16.91	12.10	8.09	20.19
		5	Jaswantpura	Bhinmal (M)	13.03	5.61	18.64	14.91	7.16	22.07
		6	Raniwara		13.67	0.00	13.67	15.63	0.00	15.63
		7	Sanchore	Sanchore (M)	12.20	3.84	16.04	13.96	4.91	18.87
		8	Sayla		17.04	0.00	17.04	19.49	0.00	19.49
			Total		**105.47**	**17.75**	**123.22**	**120.65**	**22.67**	**143.32**
20	Jhalawar	1	Bakani	Bakani (CT)	6.87	0.87	7.74	7.62	1.43	9.05
		2	Dag	Kolvi @ Mandi Rajendrapur (CT)	8.06	0.77	8.83	8.94	0.93	9.87
		3	Jhalrapatan	Bhawani Mandi (M)	10.03	5.10	15.13	11.14	6.16	17.30
				Jhalarpathan (M)		4.53	4.53		5.46	5.46
				Jhalawar (M)		8.09	8.09		9.74	9.74
		4	Khanpur	Khanpur (CT)	6.36	1.67	8.03	7.06	2.01	9.07
		5	ManoharThana	Aklera (M)	7.83	3.17	11.00	8.70	3.83	12.53
				Manoharthana (CT)		1.01	1.01		1.64	1.64

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		6	Pirawa	Pirawa (M)	7.97	1.54	9.51	8.84	1.87	10.71
			Total		**47.12**	**26.75**	**73.87**	**52.30**	**33.07**	**85.37**
21	Jhunjhunu	1	Alsisar	Bissau (M)	8.10	2.37	10.47	8.72	2.73	11.45
		2	Buhana	Singhana (CT)	10.32	0.86	11.18	11.12	0.99	12.11
		3	Chirawa	Chirawa (M)	6.64	4.49	11.13	7.16	5.17	12.33
		4	Jhunjhunun	Baggar (M)	7.92	1.46	9.38	8.52	1.67	10.19
				Islampur (CT)		0.77	0.77		0.90	0.90
				Jhunjhunun (M CL)		12.09	12.09		13.94	13.94
				Malsisar (CT)		1.04	1.04		1.61	1.61
				Mandawa (M)		2.39	2.39		2.74	2.74
				Nooan (CT)		0.46	0.46		0.53	0.53
		5	Khetri	Babai (CT)	11.30	0.80	12.10	12.18	0.93	13.11
				Gothra (CT)		1.73	1.73		1.99	1.99
				Khetri (M)		1.86	1.86		2.14	2.14
		6	Nawalgarh	Mukandgarh (M)	11.89	1.89	13.78	12.81	2.17	14.98
				Nawalgarh (M)		6.53	6.53		7.53	7.53
		7	Surajgarh	Pilani (M)	11.13	3.03	14.16	11.99	3.50	15.49
				Surajgarh (M)		2.21	2.21		2.54	2.54
				Vidyavihar (M)		1.60	1.60		1.84	1.84
		8	Udaipurwati	Udaipurwati (M)	12.93	2.99	15.92	13.92	3.44	17.36
			Total		**80.23**	**48.57**	**128.80**	**86.42**	**56.36**	**142.78**
22	Jodhpur	1	Balesar		14.74	0.00	14.74	16.96	0.00	16.96
		2	Bap		20.11	0.00	20.11	23.12	0.00	23.12
		3	Bawari		8.58	0.00	8.58	9.87	0.00	9.87
		4	Bhopalgarh		16.39	0.00	16.39	18.84	0.00	18.84
		5	Bilara	Bilara (M)	14.11	4.67	18.78	16.22	5.51	21.73
				Pipar City (M)		4.34	4.34		5.13	5.13
		6	Luni	Kuri Bhagtasani (CT)	18.00	4.53	22.53	20.69	5.36	26.05

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Sangariya (CT)		2.70	2.70		3.19	3.19
		7	Mandore	Jodhpur (M Corp. + OG)	13.38	138.31	151.69	15.39	163.40	178.79
				Nandri (CT)		2.46	2.46		2.90	2.90
		8	Osian		24.77	0.00	24.77	28.47	0.00	28.47
		9	Phalodi	Phalodi (M + OG)	14.86	5.89	20.75	17.08	6.94	24.02
		10	Shergarh		15.97	0.00	15.97	18.36	0.00	18.36
			Total		**160.91**	**162.90**	**323.81**	**185.00**	**192.43**	**377.43**
23	Karauli	1	Hindaun	Hindaun (M)	13.33	11.23	24.56	14.96	13.43	28.39
		2	Karauli	Karauli (M)	11.14	8.83	19.97	12.50	10.57	23.07
		3	Nadoti		6.32	0.00	6.32	7.09	0.00	7.09
		4	Sapotra	Sapotra (CT)	11.58	0.53	12.11	12.98	0.63	13.61
		5	Todabhim	Todabhim (M)	9.56	2.44	12.00	10.71	2.93	13.64
			Total		**51.93**	**23.03**	**74.96**	**58.24**	**27.56**	**85.80**
24	Kota	1	Itawa		5.83	0.00	5.83	6.22	0.00	6.22
		2	Khairabad	Chechat (CT)	4.67	1.54	6.21	4.98	1.81	6.79
				Khairabad (CT)		1.59	1.59		1.87	1.87
				Kumbhkot (CT)		0.64	0.64		0.76	0.76
				Modak (CT)		0.90	0.90		1.43	1.43
				Ramganj Mandi (M)		5.44	5.44		6.43	6.43
				Satalkheri (CT)		2.06	2.06		2.43	2.43
				Suket (CT)		2.94	2.94		3.47	3.47
				Udpura (CT)		0.99	0.99		1.56	1.56
		3	Ladpura	Kaithoon (M)	3.82	3.20	7.02	4.08	3.77	7.85
				Kota (M Corp.)		146.64	146.64		173.10	173.10
		4	Sangod	Sangod (M)	5.33	2.87	8.20	5.69	3.40	9.09
		5	Sultanpur		5.48	0.00	5.48	5.84	0.00	5.84
			Total		**25.13**	**168.81**	**193.94**	**26.81**	**200.03**	**226.84**
25	Nagaur	1	Degana	Goredi Chancha (CT)	12.56	0.93	13.49	13.91	1.50	15.41

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Jhagarwas (CT)		0.50	0.50		0.60	0.60
		2	Didwana	Didwana (M + OG)	19.36	6.34	25.70	21.44	7.57	29.01
		3	Jayal		15.17	0.00	15.17	16.81	0.00	16.81
		4	Kuchaman city	Kuchaman City (M)	18.09	7.31	25.40	20.04	8.73	28.77
				Nawa (M)		2.61	2.61		3.11	3.11
		5	Ladnu	Ladnu (M)	10.57	7.74	18.31	11.71	9.24	20.95
		6	Makrana	Borawar (CT)	11.60	2.94	14.54	12.86	3.51	16.37
				Makrana (M)		11.16	11.16		13.31	13.31
				Makrana Village (CT)		2.57	2.57		3.07	3.07
		7	Merta	Gothan (CT)	11.67	2.09	13.76	12.93	2.50	15.43
				Merta City (M)		5.44	5.44		6.50	6.50
				Merta Road (CT)		2.00	2.00		2.39	2.39
		8	Mundwa	Kuchera (M)	14.79	2.77	17.56	16.39	3.31	19.70
				Mundwa (M)		1.99	1.99		2.37	2.37
		9	Nagaur	Basni Belima (CT)	15.52	3.44	18.96	17.20	4.11	21.31
				Chenar Village (CT)		0.49	0.49		0.59	0.59
				Nagaur (M + OG)		12.43	12.43		14.83	14.83
		10	Parbatsar	Parbatsar (M)	11.78	1.79	13.57	13.04	2.14	15.18
		11	Riyan		9.49	0.00	9.49	10.52	0.00	10.52
			Total		**150.60**	**74.54**	**225.14**	**166.85**	**89.38**	**256.23**
26	Pali	1	Bali	Bali (M)	11.07	1.86	12.93	12.00	2.13	14.13
				Falna (M)		2.33	2.33		2.66	2.66
		2	Desuri	Sadri (M)	5.93	2.56	8.49	6.43	2.93	9.36
		3	Jaitaran	Jaitaran (M)	10.31	2.11	12.42	11.18	2.41	13.59
		4	Marwar Junction	Marwar Junction (CT)	9.43	0.83	10.26	10.23	0.96	11.19
		5	Pali	Pali (M CL)	5.72	21.54	27.26	6.21	24.59	30.80
		6	Raipur		10.37	0.00	10.37	11.23	0.00	11.23

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
		7	Rani	Rani (M)	5.07	0.96	6.03	5.50	1.49	6.99
		8	Rohat		6.11	0.00	6.11	6.62	0.00	6.62
		9	Sojat	Sojat (M)	8.34	4.03	12.37	9.06	4.60	13.66
				Sojat Road (CT)		0.87	0.87		0.99	0.99
		10	Sumerpur	Sumerpur (M)	7.29	3.47	10.76	7.90	3.96	11.86
				Takhatgarh (M)		1.57	1.57		1.79	1.79
			Total		**79.64**	**42.13**	**121.77**	**86.36**	**48.51**	**134.87**
27	Pratapgarh	1	Arnod		6.34	0.00	6.34	7.21	0.00	7.21
		2	Chhoti Sadri	Chhoti Sadri (M)	5.20	1.01	6.21	5.91	1.66	7.57
		3	Dhariawad	Dhariawad (CT)	8.02	0.63	8.65	9.12	0.76	9.88
		4	Peepalkhoont		6.92	0.00	6.92	7.88	0.00	7.88
		5	Pratapgarh	Pratapgarh (M)	9.29	3.13	12.42	10.57	3.80	14.37
			Total		**35.77**	**4.77**	**40.54**	**40.69**	**6.22**	**46.91**
28	Rajsamand	1	Amet	Amet (M)	3.56	2.20	5.76	3.90	2.64	6.54
				Sardargarh (CT)		0.61	0.61		0.74	0.74
		2	Bhim	Bhim (CT)	8.52	1.46	9.98	9.34	1.77	11.11
		3	Deogarh	Deogarh (M)	4.98	2.23	7.21	5.46	2.69	8.15
		4	Khamnor	Delwara (CT)	7.41	0.41	7.82	8.13	0.50	8.63
				Nathdwara (M)		5.31	5.31		6.41	6.41
		5	Kumbhalgarh		5.39	0.00	5.39	5.91	0.00	5.91
		6	Railmagra		4.93	0.00	4.93	5.41	0.00	5.41
		7	Rajsamand	Emri (CT)	5.64	0.44	6.08	6.19	0.54	6.73
				Kelwa (CT)		1.49	1.49		1.79	1.79
				Rajsamand (M)		8.59	8.59		10.36	10.36
			Total		**40.43**	**22.74**	**63.17**	**44.34**	**27.44**	**71.78**
29	Sawai Madhopur	1	Bamanwas		7.02	0.00	7.02	7.83	0.00	7.83
		2	Bonli	Kasba Bonli (CT)	9.54	1.63	11.17	10.64	1.91	12.55
		3	Gangapur	Gangapur City (M)	8.86	12.66	21.52	9.89	14.90	24.79

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Mahu Kalan (CT)		0.86	0.86		1.01	1.01
		4	Khander		8.27	0.00	8.27	9.22	0.00	9.22
		5	Sawai Madhopur	Sawai Madhopur (M)	10.06	12.87	22.93	11.22	15.16	26.38
			Total		**43.75**	**28.02**	**71.77**	**48.80**	**32.98**	**81.78**
30	Sikar	1	Danta Ramgarh	Bay (CT)	16.64	0.53	17.17	18.20	0.61	18.81
				Danta (CT)		1.84	1.84		2.19	2.19
				Losal (M)		3.39	3.39		4.00	4.00
				Ramgarh (CT)		0.70	0.70		0.83	0.83
		2	Dhond		13.16	0.00	13.16	14.39	0.00	14.39
		3	Fatehpur	Fatehpur (M)	11.50	10.99	22.49	12.57	12.97	25.54
				Ramgarh (M)		3.91	3.91		4.63	4.63
		4	Khandela	Kanwat (CT)	14.30	0.70	15.00	15.63	0.81	16.44
				Khandela (M + OG)		3.44	3.44		4.07	4.07
		5	Lachhmangarh	Lachhmangarh (M)	12.08	6.33	18.41	13.20	7.49	20.69
		6	Neem Ka Thana	Guhala (CT)	18.82	0.56	19.38	20.58	0.66	21.24
				Neem-Ka-Thana (M)		4.30	4.30		5.07	5.07
		7	Piprali	Sikar (M Cl + OG)	10.48	29.00	39.48	11.47	34.26	45.73
		8	Sri Madhopur	Ajeetgarh (CT)	10.63	1.83	12.46	11.63	2.16	13.79
				Reengus (M)		3.10	3.10		3.66	3.66
				Sri Madhopur (M)		3.71	3.71		4.40	4.40
			Total		**107.61**	**74.33**	**181.94**	**117.67**	**87.81**	**205.48**
31	Sirohi	1	Abu Road	Abu Road (M + OG)	5.59	7.03	12.62	6.24	8.47	14.71
				Mount Abu (M)		2.90	2.90		3.50	3.50
				Santpur (Rural) (CT)		0.86	0.86		1.04	1.04
		2	Pindwara	Bhavri (CT)	9.08	1.94	11.02	10.13	2.33	12.46

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Pindwara (M)		3.10	3.10		3.73	3.73
		3	Reodar	Reodar (CT)	8.74	0.76	9.50	9.76	0.91	10.67
		4	Sheoganj	Sheoganj (M + OG)	6.68	3.54	10.22	7.46	4.27	11.73
		5	Sirohi	Goyli (CT)	5.78	0.54	6.32	6.44	0.64	7.08
				Sirohi (M)		4.96	4.96		5.99	5.99
			Total		**35.87**	**25.63**	**61.50**	**40.03**	**30.88**	**70.91**
32	Tonk	1	Deoli	Deoli (M)	7.44	2.36	9.80	8.21	2.76	10.97
		2	Malpura	Malpura (M)	7.92	3.84	11.76	8.74	4.50	13.24
		3	Niwai	Banasthali (CT)	7.56	1.01	8.57	8.33	1.60	9.93
				Niwai (M)		4.03	4.03		4.71	4.71
		4	Todaraisingh	Todaraisingh (M)	4.77	2.51	7.28	5.27	2.94	8.21
		5	Tonk	Tonk (M CL)	9.26	17.64	26.90	10.21	20.63	30.84
		6	Uniara	Aligarh (CT)	5.76	0.60	6.36	6.36	0.70	7.06
				Uniara (M)		0.99	0.99		1.57	1.57
			Total		**42.71**	**32.98**	**75.69**	**47.12**	**39.41**	**86.53**
33	Udaipur	1	Bargaon	Bargaon (Rural) (CT)	4.49	0.74	5.23	5.09	0.89	5.98
				Bedla (CT)		0.47	0.47		0.56	0.56
				Bhuwana (CT)		1.93	1.93		2.29	2.29
		2	Bhindar	Bhinder (M)	10.59	1.96	12.55	12.00	2.31	14.31
				Kanor (M)		1.44	1.44		1.71	1.71
		3	Girwa	Bichhri (CT)	13.57	0.34	13.91	15.37	0.41	15.78
				Udaipur (M CL)		54.77	54.77		64.99	64.99
		4	Gogunda	Gogunda (CT)	12.97	0.71	13.68	14.69	0.84	15.53
		5	Jhadol		10.98	0.00	10.98	12.43	0.00	12.43
		6	Kherwara	Kherwara Chhaoni (CT)	8.77	0.61	9.38	9.93	0.73	10.66
		7	Kotra		10.16	0.00	10.16	11.50	0.00	11.50
		8	Lasadiya		4.02	0.00	4.02	4.54	0.00	4.54
		9	Mavli	Fatehnagar (M)	9.74	2.49	12.23	11.03	2.96	13.99

S. No.	District	S. No.	Block	Town	2040 Gross Water Demand, Mm^3			2060 Gross Water Demand, Mm^3		
					Rural	Urban	Total	Rural	Urban	Total
				Mavli (CT)		0.74	0.74		0.89	0.89
		10	Rishabhdeo	Rishabhdeo (CT)	7.21	0.74	7.95	8.17	0.89	9.06
		11	Salumbar	Salumbar (M)	10.21	1.80	12.01	11.57	2.13	13.70
		12	Sarda	Bhalariya (CT)	9.50	0.31	9.81	10.77	0.39	11.16
				Chawand (CT)		0.34	0.34		0.41	0.41
				Newa Talai (CT)		0.20	0.20		0.24	0.24
				Semari (CT)		0.37	0.37		0.44	0.44
			Total		**112.21**	**69.96**	**182.17**	**127.09**	**83.08**	**210.17**
			State Total		**2511.20**	**2024.34**	**4535.54**	**2822.13**	**2394.83**	**5216.96**

M- Municipality; M CL - Municipal Council; CT - Census Town; M Corp - Municipal Corporation; CB - Contonment Board; OG - Out Growth

Note: Considering 10% losses in rural areas and 30% losses in urban areas.

Appendix B-4: Water Supply Norms

Office of the Chief Engineer (Rural) Public Health Engineering Deptt.,
Jal Bhawan, Rajasthan, Jaipur

No CE (R)/2012-13 / 4008 Dated 13/8/2012

Chief Engineer
SWRPD, Jaipur

Sub: Submission of revised preliminary report No. 2.6-report on Water Supply and Demand by Districts, for Study on Planning of Water Resources of Rajasthan State submitted by M/s Tahal Consulting Engineers Ltd.

Ref: Your letter No. SWRPD/SE (WP)/Consultancy/Report No. 2.6/2377 dated 20.06.12.

With reference to above cited report, the comments of this department on the Annual Domestic Water Demand for Urban and Rural population (Shown in Page 4 & Page 52-55)are as below:-

Domestic Water Demand of Urban population: For assessing domestic water demand the norms used by consultant are 135 LPCD in towns having population more than 20000 and 100 LPCD in towns having a population less than 20000 The above norms are acceptable in general However, for water demand of major towns of Rajasthan i.e. Jaipur, Jodhpur, Bikaner and Kota, a norm of 150 LPCD should be taken, as sewerage system are to be executed along with drinking water supply in these towns.

Domestic Water Demand of Rural population: For assessing domestic water demand the norms used by consultant are 70 LPCD in DDP blocks and 40 LPCD in non DDP blocks.

Since as per new guidelines of NRDWP issued by MoRD, Govt. of India efforts are to be made to cover maximum habitations through piped water supply schemes, the above norms should be replaced with 100 LPCD in DDP blocks and 70 LPCD in non DDP blocks for planning water demand for rural population due to future needs of conversion of existing drinking water schemes (from present hand pump schemes, pump and tank etc. to *Piped Water Supply Schemes* in maximum possible habitations).

The report submitted by the consultant may be reviewed/ finalized keeping in view above comments of this department.

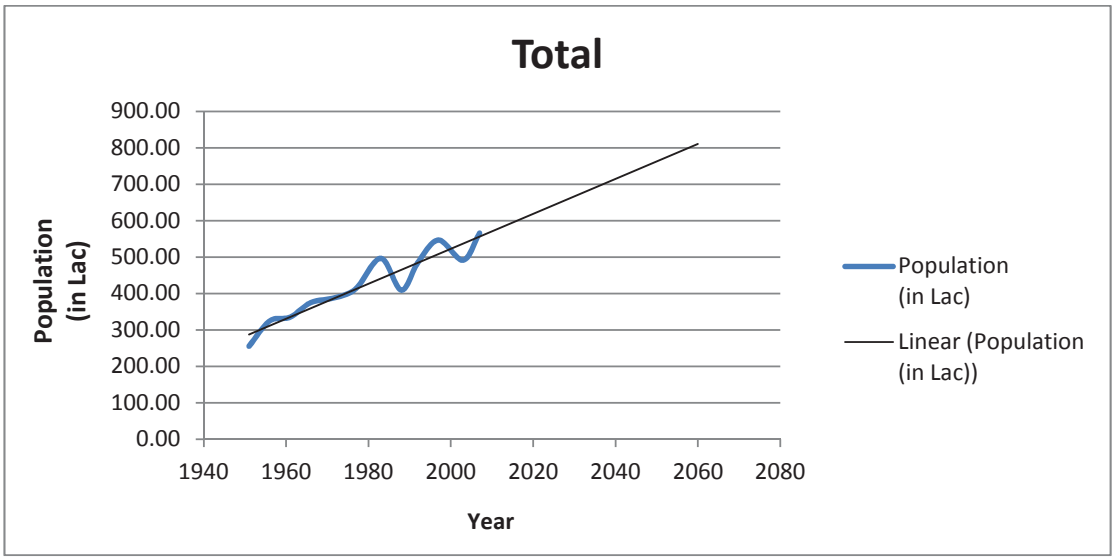
Chief Engineer (HQ)
PHED, Rajasthan, Jaipur

Appendix B-5: Projected Population figures of Livestock and Projected Livestock Water Demands

1. Livestock Population Projections-

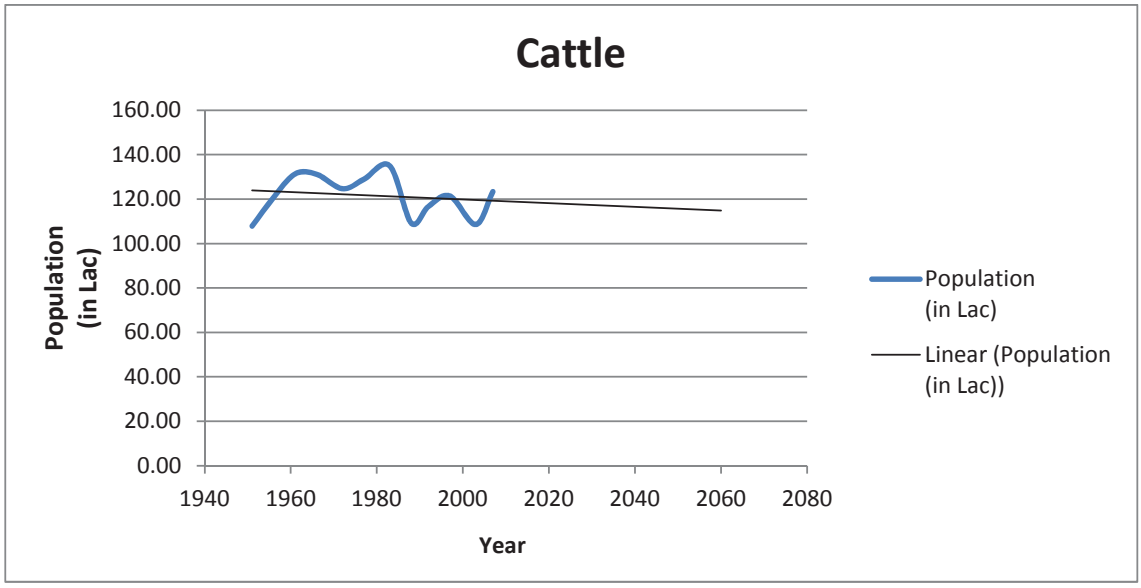
The total trend of livestock growth has been shown figure 1.1 blow. The trend of different type of livestock have been shown from Figure 1.2 to 1.9.

Figure B-5.1 Trend of Livestock in Rajasthan, Total



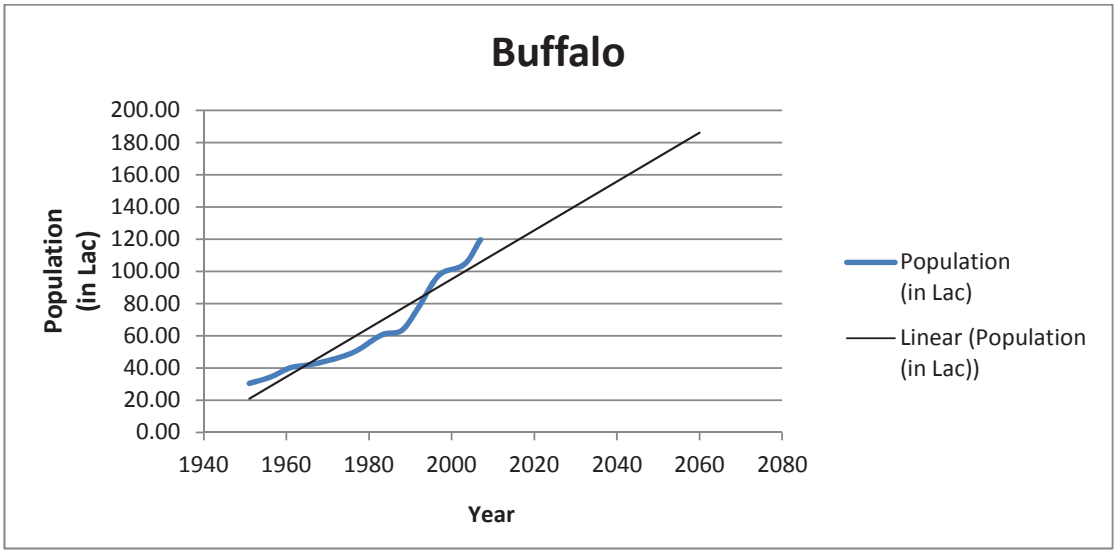
Year	Livestock Population (in Lac)
1951	255.15
1956	324.28
1961	335.09
1966	374.76
1972	388.78
1977	413.59
1983	496.50
1988	409.17
1992	484.45
1997	546.55
2003	491.36
2007	565.84
2010	570.77
2020	618.81
2040	714.89
2060	810.97

Figure B-5.2 Trend of Livestock in Rajasthan, Cattle



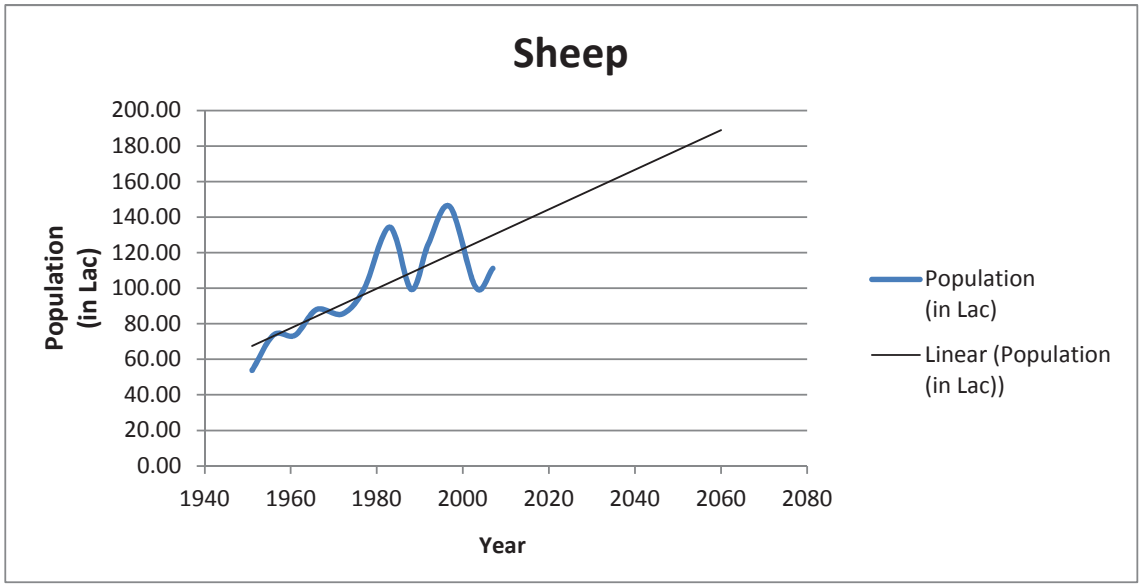
Year	Cattle Population (in Lac)
1951	107.82
1956	120.73
1961	131.36
1966	131.23
1972	124.70
1977	128.96
1983	135.04
1988	109.21
1992	116.66
1997	121.41
2003	108.54
2007	123.36
2010	118.34
2020	117.35
2040	115.35
2060	113.35

Figure B-5.3 Trend of Livestock in Rajasthan, Buffalo



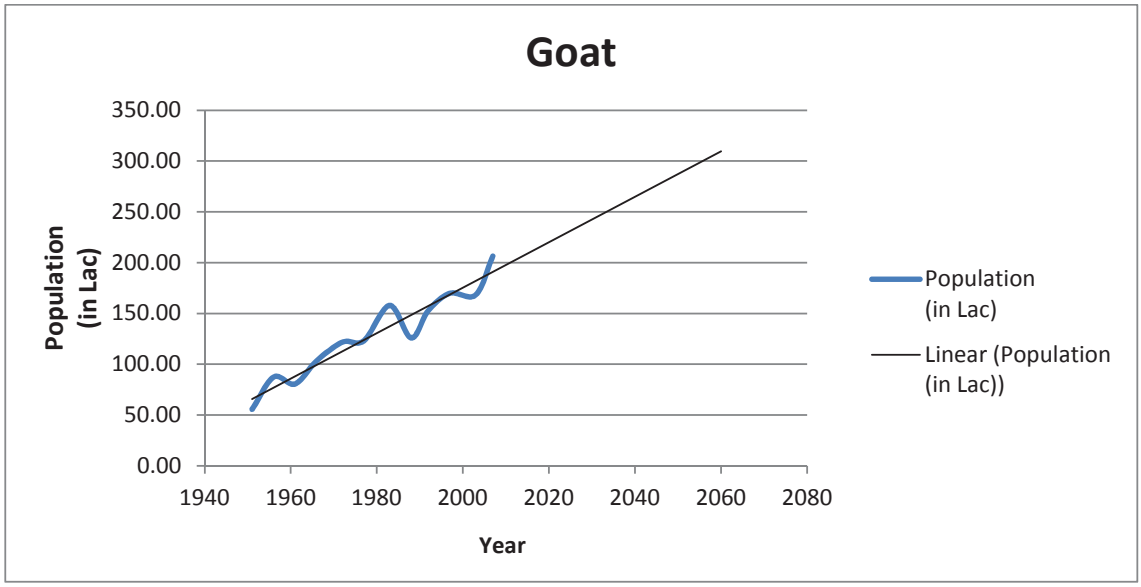
Year	Buffalo Population (in Lac)
1951	30.45
1956	34.30
1961	40.19
1966	42.23
1972	45.92
1977	50.72
1983	60.43
1988	63.44
1992	77.75
1997	97.70
2003	104.14
2007	119.51
2010	107.65
2020	122.19
2040	151.26
2060	180.34

Figure B-5.4 Trend of Livestock in Rajasthan, Sheep



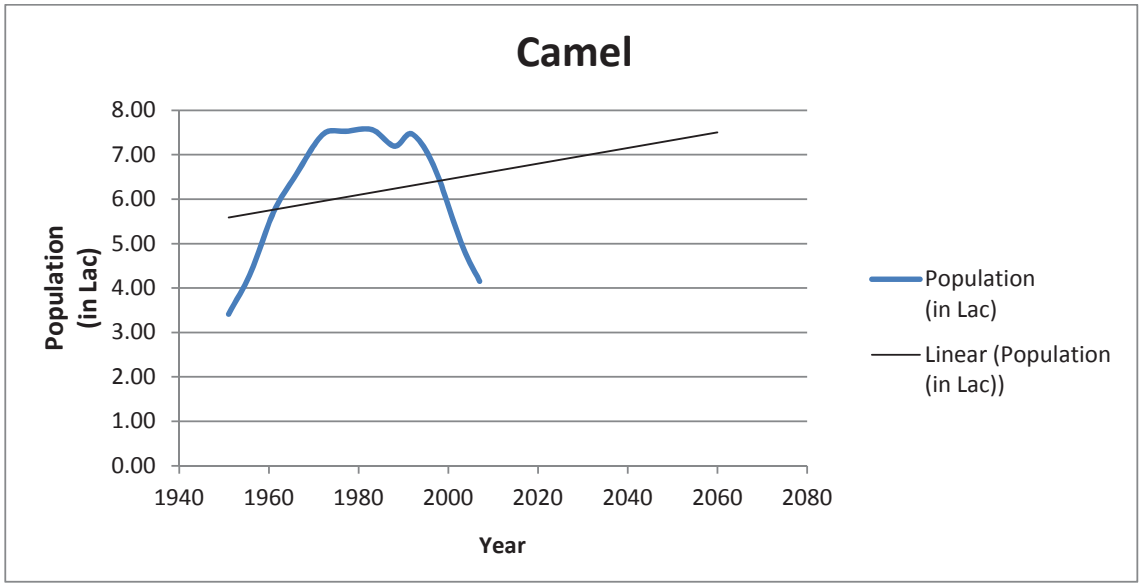
Year	Sheep Population (in Lac)
1951	53.87
1956	73.73
1961	73.60
1966	88.06
1972	85.56
1977	99.38
1983	134.31
1988	99.32
1992	124.91
1997	145.85
2003	100.54
2007	111.15
2010	133.46
2020	144.64
2040	167.02
2060	189.39

Figure B-5.5 Trend of Livestock in Rajasthan, Goat



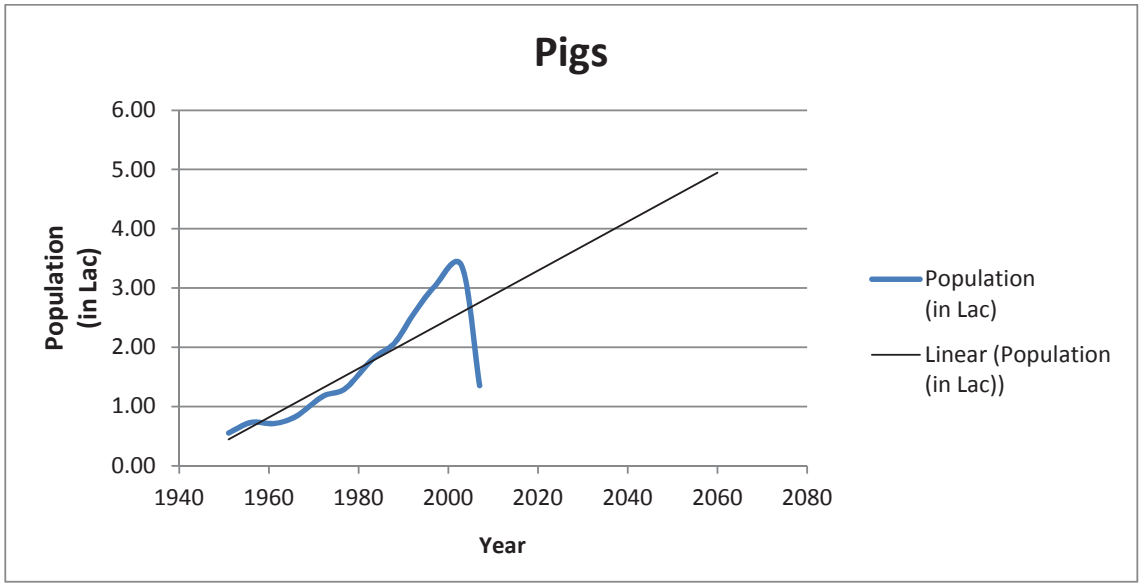
Year	Goat Population (in Lac)
1951	55.62
1956	87.30
1961	80.52
1966	103.23
1972	121.62
1977	123.07
1983	157.80
1988	125.78
1992	152.85
1997	169.71
2003	168.09
2007	206.32
2010	200.40
2020	223.40
2040	269.40
2060	315.40

Figure B-5.6 Trend of Livestock in Rajasthan, Camel



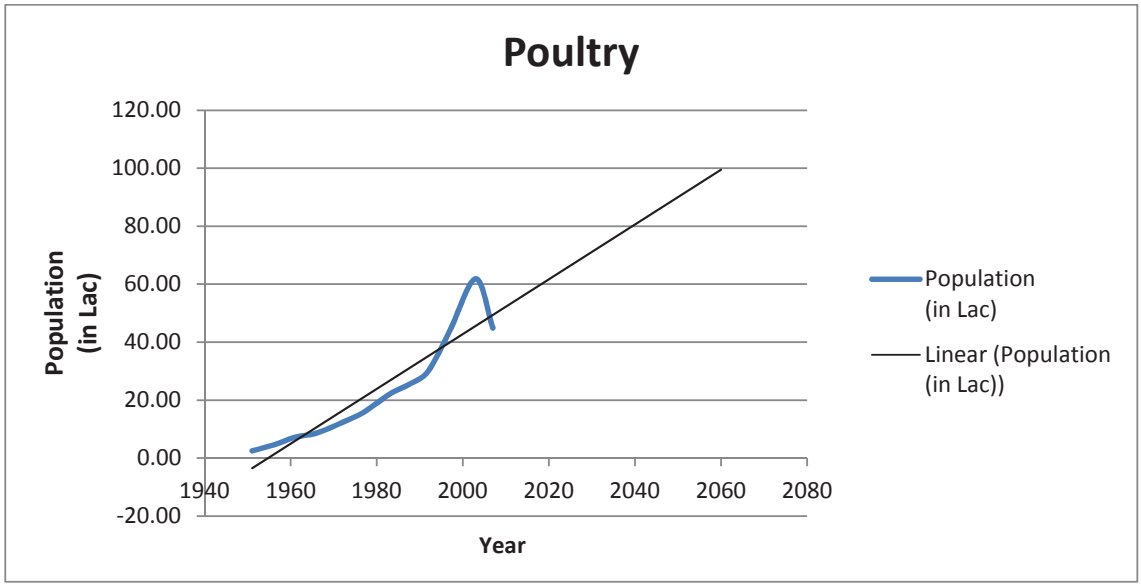
Year	Camel Population (in Lac)
1951	3.41
1956	4.36
1961	5.70
1966	6.54
1972	7.45
1977	7.52
1983	7.56
1988	7.19
1992	7.46
1997	6.69
2003	4.98
2007	4.15
2010	6.65
2020	6.83
2040	7.19
2060	7.56

Figure B-5.7 Trend of Livestock in Rajasthan, Pig



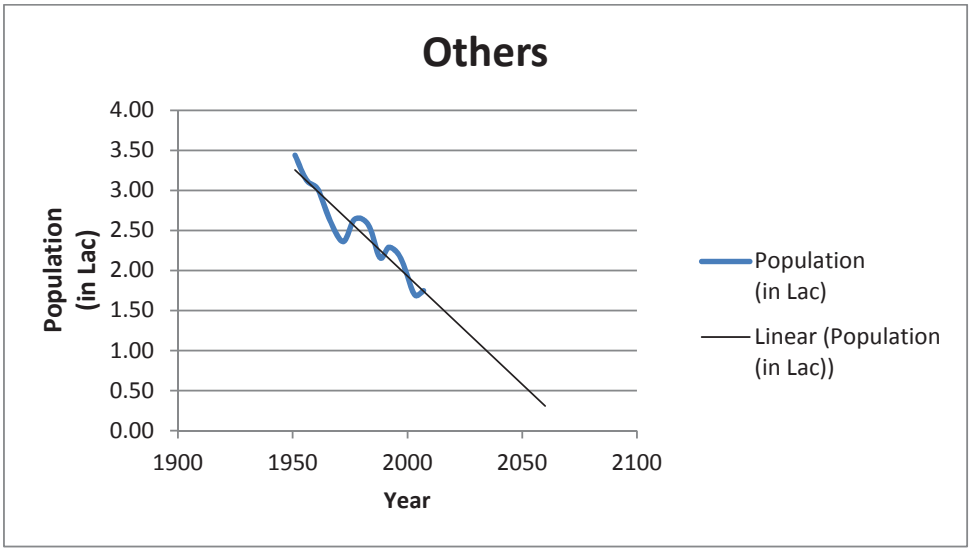
Year	Pigs Population (in Lac)
1951	0.55
1956	0.73
1961	0.71
1966	0.83
1972	1.17
1977	1.30
1983	1.79
1988	2.07
1992	2.53
1997	3.03
2003	3.37
2007	1.35
2010	3.11
2020	3.58
2040	4.51
2060	5.44

Figure B-5.8 Trend of Livestock in Rajasthan, Poultry



Year	Poultry Population (in Lac)
1951	2.54
1956	4.57
1961	7.25
1966	8.65
1972	12.35
1977	15.90
1983	22.13
1988	25.85
1992	30.13
1997	44.06
2003	61.92
2007	44.91
2010	52.24
2020	61.68
2040	80.57
2060	99.46

Figure B-5.9 Trend of Livestock in Rajasthan, Others



Year	Others Population (in Lac)
1951	3.44
1956	3.13
1961	3.01
1966	2.64
1972	2.36
1977	2.64
1983	2.57
1988	2.16
1992	2.29
1997	2.16
2003	1.70
2007	1.75
2010	1.67
2020	1.39
2040	0.85
2060	0.31

2. Livestock Projections

On the basis of graphs showing trend of growth in population for different types of livestock, the growth factors for various type of animals for the year 2010, 2020, 2040 and 2060 over the Census population of 2007 have been workedout and tabulated blow in table 2.1. The projections of livestock population for the year 2010, 2020, 2040 and 2060 have been presented from table 2.1 to 2.5.

Table B-5.1 Livestock Growth Factors in the Year 2010, 2020, 2040, and 2060

S.No.	Category of Livestock	Livestock Fraction Over 2007				
		Population in 2007 in Lac	in 2010	in 2020	in 2040	in 2060
1	2	3	4	5	6	7
2	Cow	123.36	0.959	0.951	0.935	0.919
3	Buffalo	119.91	0.898	1.019	1.261	1.504
4	Sheep	111.15	1.201	1.301	1.503	1.704
5	Goat	206.32	0.971	1.083	1.306	1.529
6	Camel	4.15	1.602	1.646	1.733	1.822
7	Pigs	1.35	2.304	2.652	3.341	4.030
8	Others (Horses, Donkeys, Rabbits, Dogs etc.)	1.75	0.954	0.794	0.486	0.177
9	Poultry	44.91	1.163	1.373	1.794	2.215

Table B-5.2 Projected District and Block wise Livestock Population in 2010

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
1	Ajmer	1	Arain	32,252	33,375	49,649	54,161	21	63	16	2,147	0
		2	Bhinay	67,412	44,379	102,496	83,015	52	123	303	1,419	0
		3	Jawaja	28,028	21,143	41,117	117,837	27	31	167	1,378	0
		4	Kekri	63,202	54,129	90,703	85,007	129	246	77	2,822	0
		5	Kishangarh	71,718	68,320	123,877	144,314	63	397	1,142	4,050	0
		6	Masooda	48,259	37,227	102,797	89,972	29	128	530	3,311	0
		7	Peesangan	28,135	38,000	63,923	60,252	27	68	479	7,571	0
		8	Srinagar	30,322	32,429	25,888	96,950	81	91	598	2,350	1,845,373
			Total	**369,327**	**329,002**	**600,451**	**731,509**	**428**	**1,147**	**3,311**	**25,049**	**1,845,373**
2	Alwar	9	Bansure	12,607	78,608	11,337	47,627	56	193	2,169	1,039	0
		10	Behror	11,336	66,382	9,495	24,428	99	183	3,258	1,145	0
		11	Kathumar	8,661	75,803	16,216	16,987	107	40	1,012	3,974	0
		12	Kishangarh Bas	9,722	44,039	5,287	42,932	27	94	912	94	0
		13	Kotkasim	11,076	47,062	4,635	7,303	61	51	814	189	0
		14	Lachhmangarh	11,855	95,366	11,996	38,867	73	20	1,248	3,426	0
		15	Mandawar	8,698	70,326	7,979	25,335	73	153	2,023	551	0
		16	Nimrana	8,776	48,075	6,545	18,869	23	31	763	65	0
		17	Rajgarh	26,418	98,450	9,741	130,965	30	95	1,858	4,514	0
		18	Ramgarh	14,145	65,023	12,662	53,160	30	23	855	1,555	0
		19	Reni	8,747	44,942	4,325	11,978	8	16	614	85	0
		20	Thanagazi	16,991	56,323	5,880	105,120	44	135	726	1,848	0
		21	Tijara	27,944	79,238	6,112	41,003	48	92	1,274	1,030	0
		22	Umren	15,237	75,326	6,525	116,921	85	410	1,282	2,878	340,395
			Total	**192,213**	**944,964**	**118,736**	**681,496**	**761**	**1,535**	**18,807**	**22,393**	**340,395**
3	Banswara	23	Anandpuri	26,228	20,780	3,113	19,832	15	246	260	0	0
		24	Bagidora	72,412	28,585	371	56,485	10	225	131	150	0
		25	Banswara	84,736	30,801	790	57,891	13	236	218	2	384,524
		26	Chhoti Sarvan	42,368	15,400	394	28,945	7	117	109	0	0

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		27	Garhi	52,457	42,044	6,227	39,665	31	491	519	0	0
		28	Ghatol	88,269	30,357	2,243	66,495	13	170	300	0	0
		29	Kushalgarh	125,736	28,387	1,082	72,439	8	292	2	21	0
		30	Sajjangarh	59,245	23,388	303	46,214	8	131	106	122	
			Total	**551,452**	**219,741**	**14,524**	**387,965**	**104**	**1,908**	**1,644**	**295**	**384,524**
4	Baran	31	Antah	52,925	41,577	3,329	42,586	30	117	0	5,585	0
		32	Atru	36,138	34,504	1,541	38,574	25	452	178	2,815	0
		33	Baran	27,163	23,732	1,913	30,283	26	30	899	1,272	59,251
		34	Chhabra	37,043	32,975	407	30,944	14	125	189	714	0
		35	Chhipabarod	59,483	39,833	625	45,115	22	266	14	783	0
		36	Kishanganj	61,116	34,571	6,394	31,569	25	72	2	3,046	0
		37	Shahbad	60,992	23,709	79	24,017	0	80	2	3,292	0
			Total	**334,861**	**230,902**	**14,288**	**243,087**	**141**	**1,142**	**1,283**	**17,508**	**59,251**
5	Barmer	38	Balotra	88,308	27,934	183,596	243,630	85	1,556	7,478	882	0
		39	Barmer	64,289	4,696	145,639	257,365	175	2,526	10,559	0	15,905
		40	Baytoo	74,462	3,248	242,080	308,274	37	1,234	9,391	362	0
		41	Chohtan	99,868	24,827	281,896	420,657	344	4,955	25,099	293	0
		42	Dhorimanna	93,236	54,185	253,954	303,528	102	1,623	13,462	1,878	0
		43	Sheo	105,477	1,990	352,433	382,954	403	3,959	17,287	0	0
		44	Sindhari	32,200	1,485	62,053	107,496	371	3,268	7,956	0	0
		45	Siwana	46,600	41,163	121,004	119,602	112	793	2,824	5,023	0
			Total	**604,439**	**159,528**	**1,642,656**	**2,143,505**	**1,628**	**19,915**	**94,055**	**8,437**	**15,905**
6	Bharatpur	46	Bayana	15,309	25,692	12,555	47,260	26	168	1,501	3,463	0
		47	Deeg	14,909	57,241	8,951	17,454	13	178	162	3,958	0
		48	Kaman	9,274	47,579	7,174	13,381	10	41	173	3,396	0
		49	Kumher	13,905	59,584	7,643	10,940	33	104	91	2,712	0
		50	Nadbai	8,928	51,519	6,496	11,214	31	116	825	2,790	0
		51	Nagar Pahari	22,734	120,248	29,930	39,074	55	142	575	5,014	0
		52	Rupbas	11,998	13,142	6,109	21,592	40	161	368	4,103	0
		53	Sewar	15,088	19,593	4,596	10,339	61	195	205	3,136	95,045

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		54	Weir	9,162	47,378	11,791	30,687	93	89	1,823	3,129	0
			Total	**121,307**	**441,977**	**95,247**	**201,942**	**363**	**1,194**	**5,724**	**31,701**	**95,045**
7	Bhilwara	55	Asind	77,963	32,944	93,467	89,709	66	169	1,515	3,212	0
		56	Banera	42,618	22,002	34,960	38,531	21	36	327	523	0
		57	Hurda	43,059	18,966	37,166	33,633	21	134	186	827	0
		58	Jahazpur	74,435	35,498	60,363	104,584	85	332	308	1,366	0
		59	Kotri	36,689	15,531	3,707	20,933	20	16	48	3,048	0
		60	Mandal	47,154	30,984	68,242	75,019	107	94	782	746	0
		61	Mandalgarh	72,841	35,974	41,347	95,298	343	168	1,089	0	0
		62	Raipur	25,015	15,491	34,120	37,504	52	42	389	371	0
		63	Sahara	47,146	28,944	30,067	53,304	80	35	56	94	0
		64	Shahpura	74,759	26,308	79,053	57,006	96	171	1,109	1,375	0
		65	Suwana	70,323	38,196	34,529	61,296	93	181	678	1,120	149,323
			Total	**612,001**	**300,837**	**517,022**	**666,818**	**985**	**1,379**	**6,486**	**12,684**	**149,323**
8	Bikaner	66	Bikaner	125,828	18,181	242,699	199,179	928	2,314	16,305	0	21,841
		67	Dungargarh	64,307	25,371	91,545	92,759	11	935	9,471	0	0
		68	Khajuwala	59,100	13,246	92,134	69,381	0	1,236	4,912	0	0
		69	Kolayat	128,123	9,637	223,159	195,384	3	1,282	14,034	410	0
		70	Lunkaransar	142,908	15,810	200,942	114,694	11	2,657	19,802	147	0
		71	Nokha	80,846	45,168	107,404	176,573	7	710	13,728	0	0
			Total	**601,112**	**127,414**	**957,883**	**847,969**	**961**	**9,135**	**78,251**	**558**	**21,841**
9	Bundi	72	Bundi	46,436	58,409	3,848	40,442	88	215	322	2,154	43,540
		73	Hindoli	75,760	66,422	30,102	116,231	264	259	1,358	2,104	0
		74	Keshorai Patan	50,919	55,033	9,830	73,053	63	357	1,376	1,707	0
		75	Nainwa	43,287	43,125	22,696	80,021	359	276	216	2,313	0
		76	Talera	43,350	55,798	3,758	34,353	62	201	194	1,903	0
			Total	**259,752**	**278,787**	**70,234**	**344,100**	**836**	**1,307**	**3,467**	**10,181**	**43,540**
10	Chittaurgarh	77	Bari Sadri	33,606	34,034	4,010	36,211	68	142	0	244	0
		78	Begun	70,580	37,804	6,096	55,602	28	39	522	2,023	0
		79	Bhadesar	39,288	40,870	10,313	57,108	70	56	2,121	389	0

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		80	Bhainsrorgarh	65,299	19,333	1,272	46,434	22	22	199	1,000	0
		81	Bhopalsagar	17,903	18,828	4,633	21,923	47	40	0	65	0
		82	Chittaurgarh	69,292	52,071	7,071	72,260	93	176	823	1,064	21,770
		83	Dungla	31,859	37,495	9,781	39,323	111	150	0	532	0
		84	Gangrar	50,045	23,157	11,682	48,756	65	17	362	108	0
		85	Kapasan	35,806	37,658	9,267	43,848	93	79	0	129	0
		86	Nimbahera	57,412	43,408	8,425	43,110	78	181	149	2,615	0
		87	Rashmi	29,935	26,550	14,607	40,366	116	61	18	1,058	0
			Total	**501,027**	**371,207**	**87,158**	**504,942**	**789**	**964**	**4,194**	**9,228**	**21,770**
11	Churu	88	Churu	23,789	19,120	61,718	117,581	52	856	5,985	0	96,916
		89	Rajgarh	30,710	73,843	74,476	103,183	51	483	16,002	74	0
		90	Ratangarh	31,266	17,972	91,489	134,777	33	635	4,353	106	0
		91	Sardar Shahar	79,508	24,744	165,099	152,811	23	1,538	18,197	21	0
		92	Sujangarh	36,742	38,858	89,759	212,694	85	484	7,970	81	0
		93	Taranagar	25,822	28,491	55,689	75,205	33	717	12,342	200	0
			Total	**227,837**	**203,028**	**538,231**	**796,251**	**278**	**4,713**	**64,849**	**482**	**96,916**
12	Dausa	94	Bandikui	12,483	82,615	9,289	57,032	27	37	934	1,424	0
		95	Dausa	38,948	80,252	28,290	87,365	188	59	1,310	3,396	16,053
		96	Lalsot	63,717	79,840	13,259	107,112	25	133	2,723	3,716	0
		97	Mahwa	7,112	72,922	8,370	28,337	29	68	979	2,829	0
		98	Sikrai	12,965	83,034	12,983	48,090	55	54	1,301	3,362	0
			Total	**135,225**	**398,664**	**72,190**	**327,935**	**323**	**351**	**7,247**	**14,727**	**16,053**
13	Dhaulpur	99	Bari	11,603	66,221	2,933	30,394	10	52	138	691	0
		100	Baseri	35,519	75,215	1,345	43,660	2	4	99	2,875	0
		101	Dhaulpur	68,962	114,125	1,908	41,441	37	82	46	281	6,964
		102	Rajakhera	6,739	37,195	627	19,359	90	161	24	541	0
			Total	**122,823**	**292,756**	**6,813**	**134,854**	**139**	**300**	**308**	**4,389**	**6,964**
14	Dungarpur	103	Aspur	67,854	53,610	21,293	61,118	89	180	737	0	0
		104	Bichhiwara	96,370	36,011	38,684	90,274	51	581	513	0	0
		105	Dungarpur	49,915	18,508	19,486	45,136	25	290	256	0	180,966

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		106	Sagwara	88,318	69,552	22,948	96,063	114	860	1,230	2,067	0
		107	Simalwara	106,821	51,541	25,215	84,581	28	356	252	0	0
			Total	**409,278**	**229,221**	**127,625**	**377,171**	**305**	**2,267**	**2,988**	**2,067**	**180,966**
15	Ganganagar	108	Anupgarh	108,566	49,202	81,338	79,843	51	759	3,105	288	0
		109	Ganganagar	80,431	36,667	26,334	24,855	177	86	1,254	200	100,658
		110	Ghadsana	47,830	23,856	48,912	50,837	22	366	2,108	191	0
		111	Karanpur	46,492	18,237	21,570	21,965	225	79	354	9	0
		112	Padampur	114,619	47,852	50,220	20,024	195	64	3,340	25	0
		113	Raisinghnagar	63,970	28,815	30,657	37,665	114	175	3,134	74	0
		114	Sadulshahar	44,332	25,146	29,343	20,261	180	128	4,601	237	0
		115	Suratgarh	112,905	40,518	163,599	102,366	15	1,743	13,111	355	0
			Total	**619,146**	**270,293**	**451,972**	**357,815**	**979**	**3,400**	**31,007**	**1,380**	**100,658**
16	Hanumangarh	116	Bhadra	34,071	71,885	52,956	36,770	13	1,098	21,315	111	0
		117	Hanumangarh	84,630	58,392	36,805	39,678	173	181	5,766	0	209,969
		118	Nohar	61,382	52,397	73,201	59,906	7	1,237	22,590	23	0
		119	Pilibanga	64,765	34,454	36,681	25,859	68	245	4,779	1,378	0
		120	Rawatsar	63,805	28,111	104,905	60,288	13	1,657	11,240	99	0
		121	Sangariya	43,318	27,612	17,932	15,289	226	67	5,633	0	0
		122	Tibi	51,556	39,317	17,113	21,135	327	90	2,515	46	0
			Total	**403,527**	**312,168**	**339,592**	**258,925**	**827**	**4,575**	**73,836**	**1,657**	**209,969**
17	Jaipur	123	Amber	106,660	109,885	14,264	90,686	68	5	977	1,546	0
		124	Bassi	58,289	54,231	5,795	54,698	90	8	1,389	2,832	0
		125	Chaksu	32,790	45,451	33,149	56,310	80	47	1,067	887	0
		126	Dudu	43,915	48,593	110,118	73,098	49	0	93	1,647	0
		127	Govindgarh	106,259	134,922	11,339	68,141	132	93	1,507	1,825	0
		128	Jamwa Ramgarh	45,484	70,265	18,381	149,091	83	36	1,426	4,092	0
		129	Jhotwara	35,834	45,968	3,854	18,935	13	48	461	470	405,499
		130	Kotputli	14,901	98,124	19,173	58,843	126	135	2,103	1,993	0
		131	Phagi	29,316	45,943	63,763	51,193	115	87	585	2,274	0
		132	Sambhar	101,774	97,389	99,305	153,764	48	83	2,839	4,131	0

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		133	Sanganer	28,561	46,551	10,344	25,922	58	25	612	1,502	0
		134	Shahpura	19,553	72,070	9,093	74,561	55	70	1,264	4,387	0
		135	Viratnagar	10,897	34,802	6,979	58,275	5	94	841	742	0
			Total	**634,234**	**904,194**	**405,557**	**933,516**	**922**	**731**	**15,165**	**28,328**	**405,499**
18	Jaisalmer	136	Jaisalmer	134,534	850	760,557	460,230	254	5,922	29,220	359	21,454
		137	Sam	54,954	277	307,157	242,481	323	1,794	16,880	0	0
		138	Sankra	137,268	1,585	497,618	385,727	131	2,089	16,404	159	0
			Total	**326,756**	**2,712**	**1,565,332**	**1,088,438**	**708**	**9,806**	**62,505**	**518**	**21,454**
19	Jalore	139	Ahore	32,285	33,772	239,506	92,158	125	432	1,716	1,009	0
		140	Bhinmal	40,418	56,293	111,888	77,444	156	1,110	1,354	2	0
		141	Chitalwana	67,160	64,722	71,629	68,443	370	309	3,584	0	0
		142	Jalore	20,468	41,219	107,407	70,085	106	632	944	3,177	16,925
		143	Jaswantpura	19,323	49,703	57,110	59,336	182	197	1,128	88	0
		144	Raniwara	32,124	59,156	63,541	54,629	93	250	833	37	0
		145	Sanchore	46,670	44,975	49,777	47,562	257	215	2,491	0	0
		146	Sayla	14,951	52,658	54,075	50,877	232	205	940	1,470	0
			Total	**273,397**	**402,497**	**754,932**	**520,533**	**1,520**	**3,349**	**12,989**	**5,783**	**16,925**
20	Jhalawar	147	Bakani	60,204	41,857	1,172	49,591	46	246	64	719	0
		148	Dag	124,274	67,208	3,069	98,233	442	461	151	1,468	0
		149	Jhalrapatan	74,132	67,038	4,226	67,388	104	127	90	2,127	67,019
		150	Khanpur	39,497	39,657	4,208	45,498	29	95	106	4,557	0
		151	Manohar Thana	52,031	30,561	1,356	44,931	21	70	98	424	0
		152	Pirawa	60,968	49,518	2,792	52,143	266	144	32	866	0
			Total	**411,106**	**295,839**	**16,824**	**357,784**	**907**	**1,143**	**540**	**10,161**	**67,019**
21	Jhunjhunun	153	Alsisar	56,330	60,149	33,383	44,328	95	108	7,923	458	0
		154	Buhana	7,859	35,822	15,010	16,301	46	81	3,044	184	0
		155	Chirawa	24,141	35,778	14,306	18,998	41	46	3,395	196	0
		156	Jhunjhunun	58,230	53,848	46,024	159,888	107	280	5,972	35	17,979
		157	Khetri	9,444	46,546	40,218	86,826	42	92	3,037	346	0
		158	Nawalgarh	41,354	52,972	22,612	107,336	125	100	3,560	744	0

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		159	Surajgarh	9,605	34,559	18,346	19,924	56	98	3,613	226	0
		160	Udaipurwati	23,809	55,020	33,132	116,632	95	317	4,425	2,567	0
			Total	**230,772**	**374,694**	**223,032**	**570,232**	**608**	**1,121**	**34,968**	**4,755**	**17,979**
22	Jodhpur	161	Balesar	48,674	11,333	101,596	168,320	34	365	3,074	88	0
		162	Bap	98,127	9,201	213,181	201,390	45	963	11,568	0	0
		163	Bawari	39,712	19,278	126,749	87,122	26	283	1,674	164	0
		164	Bhopalgarh	51,376	58,469	148,346	136,564	35	474	2,741	111	0
		165	Bilara	42,525	41,250	99,101	74,215	111	396	1,222	30	0
		166	Luni	69,659	27,999	75,609	92,796	27	233	3,174	1,200	0
		167	Mandor	53,338	31,391	122,717	68,416	50	112	2,315	0	17,630
		168	Osian	79,400	38,557	13,297	174,245	52	567	3,358	329	0
		169	Phalodi	74,026	6,942	160,822	151,927	33	726	8,728	0	0
		170	Shergarh	52,731	12,277	110,063	182,346	38	396	2,744	97	0
			Total	**609,567**	**256,696**	**1,171,482**	**1,337,341**	**450**	**4,514**	**40,598**	**2,018**	**17,630**
23	Karauli	171	Hindaun	9,911	92,393	11,138	37,997	55	37	1,445	4,175	0
		172	Karauli	33,993	82,656	10,369	87,366	23	250	2,004	2,359	16,745
		173	Nadoti	13,129	40,317	12,398	47,845	81	374	493	3,214	0
		174	Sapotra	49,529	100,843	19,742	153,552	156	332	2,051	4,613	0
		175	Todabhim	7,560	71,209	11,591	38,275	59	75	896	3,845	0
			Total	**114,121**	**387,418**	**65,238**	**365,035**	**375**	**1,068**	**6,889**	**18,206**	**16,745**
24	Kota	176	Itawa	43,779	41,209	8,366	41,873	52	174	53	2,571	0
		177	Khairabad	34,158	29,590	1,342	34,776	23	31	1,033	1,705	0
		178	Ladpura	57,250	66,474	3,987	38,928	36	39	1,546	1,336	45,543
		179	Sangod	43,010	43,283	4,007	40,015	54	37	2,518	2,675	0
		180	Sultanpur	42,867	38,921	7,629	34,153	43	242	54	3,914	0
			Total	**221,065**	**219,477**	**25,330**	**189,746**	**208**	**524**	**5,205**	**12,202**	**45,543**
25	Nagaur	181	Degana	46,618	63,150	108,030	119,725	258	526	2,217	532	0
		182	Didwana	42,566	54,083	80,911	165,778	137	126	2,123	168	0
		183	Jayal	34,248	37,741	66,528	110,059	118	204	2,419	23	0
		184	Kuchaman City	53,044	73,222	154,476	142,746	93	309	3,931	786	0

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		185	Ladnun	26,052	20,910	42,512	110,511	79	110	2,052	35	0
		186	Makrana	27,647	34,253	54,456	89,381	36	73	1,112	723	0
		187	Merta	30,398	38,827	82,056	69,362	103	91	716	353	0
		188	Mundwa	31,358	19,655	76,358	113,081	22	87	1,950	0	0
		189	Nagaur	49,769	47,657	125,633	207,228	42	158	3,662	0	26,786
		190	Parbatsar	30,053	38,416	91,429	124,109	83	223	1,450	1,746	0
		191	Riyan	23,884	30,507	64,472	54,498	81	72	562	276	0
			Total	**395,638**	**458,421**	**946,861**	**1,306,479**	**1,052**	**1,979**	**22,194**	**4,643**	**26,786**
26	Pali	192	Bali	48,702	43,321	111,106	100,783	151	456	987	1,852	0
		193	Desuri	37,300	43,083	152,141	76,159	177	316	2,509	3,493	0
		194	Jaitaran	42,844	42,896	121,403	88,051	163	186	527	1,958	0
		195	Kharchi (Marwar Junction)	23,133	23,405	67,449	52,942	90	118	1,520	675	0
		196	Pali	35,128	25,543	183,043	65,314	115	354	1,778	719	0
		197	Raipur	33,668	30,887	74,432	84,051	19	368	945	1,560	66,717
		198	Rani Station	13,585	13,754	39,613	31,091	52	57	838	396	0
		199	Rohat	33,167	22,126	137,648	50,647	39	493	1,701	0	0
		200	Sojat	41,270	35,320	119,855	78,549	119	147	1,530	1,191	0
		201	Sumerpur	19,286	20,326	88,144	35,768	114	69	950	664	0
			Total	**328,083**	**300,660**	**1,094,834**	**663,356**	**1,040**	**2,564**	**13,285**	**12,508**	**66,717**
27	Pratapgarh	202	Arnod	50,182	20,657	310	30,275	45	99	18	452	0
		203	Chhoti Sadri	55,189	32,759	4,274	40,179	32	89	0	283	0
		204	Dhariawad	137,658	62,833	45,439	108,439	24	341	484	85	0
		205	Peepalkhoont	72,220	24,837	1,835	54,405	11	138	232	0	0
		206	Pratapgarh	123,461	52,486	4,599	68,233	55	99	215	5	21,770
			Total	**438,709**	**193,572**	**56,457**	**301,531**	**168**	**766**	**948**	**825**	**21,770**
28	Rajsamand	207	Amet	28,490	26,508	21,660	57,341	109	56	368	620	0
		208	Bhim	34,634	17,788	43,874	112,687	19	28	208	364	0
		209	Deogarh	27,654	18,660	44,714	82,173	106	55	493	901	0
		210	Khamnor	60,343	38,738	11,466	89,458	156	820	1,846	249	0

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		211	Kumbhalgarh	35,899	49,159	4,824	57,858	90	371	623	419	0
		212	Railmagra	50,763	34,650	13,660	34,184	121	19	0	55	0
		213	Rajsamand	43,676	32,856	10,170	54,204	146	107	449	447	25,738
			Total	**281,459**	**218,359**	**150,369**	**487,906**	**747**	**1,457**	**3,987**	**3,055**	**25,738**
29	Sawai madhopur	214	Bamanwas	19,170	41,111	11,378	58,609	58	160	777	3,804	0
		215	Bonli	16,769	24,665	26,761	46,399	69	96	775	2,401	0
		216	Gangapur	9,328	58,413	9,920	33,988	69	86	1,299	3,606	0
		217	Khandar	26,679	53,413	19,236	148,952	99	169	1,519	3,802	0
		218	Sawai Madhopur	38,214	66,768	27,378	99,280	87	298	1,735	5,520	30,447
			Total	**110,161**	**244,371**	**94,674**	**387,228**	**382**	**809**	**6,105**	**19,132**	**30,447**
30	Sikar	219	Danta Ramgarh	38,555	54,001	60,828	98,918	64	81	2,238	1,887	0
		220	Dhond	30,218	42,430	47,793	77,721	50	63	1,757	1,484	0
		221	Fatehpur	16,750	29,007	40,404	111,256	29	186	2,491	0	0
		222	Khandela	26,825	89,781	23,140	119,002	82	108	3,103	2,389	0
		223	Lachhmangarh	44,661	51,109	63,832	153,914	121	54	4,108	37	0
		224	Neem Ka Thana	16,361	77,454	33,591	179,443	117	259	2,606	3,101	0
		225	Piprali	112,883	98,277	89,898	204,472	202	110	5,828	81	207,392
		226	Srimadhopur	20,236	67,729	17,455	89,773	62	82	2,342	1,804	0
			Total	**306,488**	**509,788**	**376,941**	**1,034,499**	**727**	**943**	**24,474**	**10,783**	**207,392**
31	Sirohi	227	Abu Road	36,476	18,787	9,391	63,689	11	20	59	0	0
		228	Pindwara	52,797	29,321	40,127	82,573	41	93	2,241	0	0
		229	Reodar	43,792	67,881	58,502	59,014	85	362	3,415	0	0
		230	Sheoganj	21,107	21,581	91,967	74,052	34	404	828	0	52,191
		231	Sirohi	36,396	23,757	97,365	48,446	102	454	2,736	0	0
			Total	**190,567**	**161,327**	**297,351**	**327,775**	**274**	**1,332**	**9,280**	**0**	**52,191**
32	Tonk	232	Deoli	41,276	49,190	42,094	58,180	131	19	293	3,742	0
		233	Malpura	46,698	49,649	76,247	64,150	168	47	176	3,553	0
		234	Niwai	56,460	75,229	106,222	109,236	239	55	1,049	3,666	0
		235	Todaraisingh	30,937	38,368	36,367	41,172	82	1	122	770	0
		236	Tonk	19,033	39,870	17,430	34,339	131	21	186	788	71,795

S. No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		237	Uniara	26,319	44,202	20,062	49,908	74	150	301	2,168	0
			Total	**220,723**	**296,508**	**298,422**	**356,986**	**825**	**293**	**2,127**	**14,686**	**71,795**
33	Udaipur	238	Bargaon	81,581	98,018	17,404	82,080	43	50	316	90	0
		239	Bhindar	56,326	29,499	3,523	57,148	17	71	513	233	0
		240	Girwa	71,688	37,544	4,485	72,735	21	91	654	297	523,999
		241	Gogunda	21,136	8,510	9,038	31,137	19	98	154	12	0
		242	Jhadol	44,886	17,559	12,453	51,257	29	208	314	25	0
		243	Kherwara	68,845	34,674	19,545	81,511	2	129	245	0	0
		244	Kotra	35,990	14,079	6,649	41,099	32	167	263	21	0
		245	Lasadiya	33,098	20,208	12,237	57,541	56	105	199	0	0
		246	Mavli	64,981	55,135	9,185	67,318	64	57	2,233	88	0
		247	Rishabhdeo	56,101	28,253	15,925	66,424	13	105	215	0	0
		248	Salumbar	67,200	41,029	24,846	116,826	114	210	594	0	0
		249	Sarada	74,677	43,817	12,674	80,944	20	150	830	143	0
			Total	**676,509**	**428,325**	**147,963**	**806,019**	**431**	**1,440**	**6,528**	**908**	**523,999**

Table B-5.3 Projected District and Block wise Livestock Population in 2020

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
1	Ajmer	1	Arain	31,983	37,872	53,783	60,409	17	52	16	2,472	0
		2	Bhinay	66,850	50,359	111,030	92,590	44	102	311	1,634	0
		3	Jawaja	27,794	23,991	44,541	131,429	22	26	171	1,586	0
		4	Kekri	62,675	61,422	98,255	94,812	107	205	79	3,249	0
		5	Kishangarh	71,120	77,526	134,192	160,960	52	330	1,174	4,662	0
		6	Masooda	47,856	42,244	111,356	100,350	24	106	545	3,811	0
		7	Peesangan	27,900	43,120	69,246	67,202	22	56	492	7,714	0
		8	Srinagar	30,069	36,799	28,043	108,133	67	75	614	2,705	2,178,587
			Total	**366,246**	**373,333**	**650,447**	**815,885**	**357**	**954**	**3,402**	**27,833**	**2,178,587**
2	Alwar	9	Bansure	12,502	89,200	12,281	53,120	47	160	2,229	1,196	0
		10	Behror	11,242	75,327	10,286	27,246	83	152	3,348	1,318	0
		11	Kathumar	8,588	86,017	17,566	18,946	89	33	1,040	4,575	0
		12	Kishangarh Bas	9,641	49,973	5,727	47,884	22	79	937	109	0
		13	Kotkasim	10,984	53,404	5,021	8,145	51	42	836	217	0
		14	Lachhmangarh	11,756	108,216	12,994	43,350	60	17	1,282	3,944	0
		15	Mandawar	8,626	79,802	8,644	28,258	60	127	2,079	634	0
		16	Nimrana	8,703	54,553	7,090	21,046	19	25	783	74	0
		17	Rajgarh	26,197	111,715	10,552	146,071	25	79	1,909	5,195	0
		18	Ramgarh	14,027	73,785	13,716	59,292	25	19	879	1,790	0
		19	Reni	8,674	50,998	4,685	13,360	6	13	630	98	0
		20	Thanagazi	16,849	63,913	6,370	117,246	37	112	746	2,127	0
		21	Tijara	27,711	89,915	6,621	45,733	40	76	1,309	1,185	0
		22	Umren	15,109	85,476	7,068	130,407	71	341	1,317	3,312	401,859
			Total	**190,610**	**1,072,292**	**128,622**	**760,104**	**634**	**1,278**	**19,324**	**25,775**	**401,859**
3	Banswara	23	Anandpuri	26,009	23,580	3,372	22,119	13	205	267	0	0
		24	Bagidora	71,808	32,437	402	63,000	8	187	135	172	0
		25	Banswara	84,029	34,951	856	64,568	11	196	224	3	453,956
		26	Chhoti Sarvan	42,014	17,475	427	32,283	6	98	112	0	0
		27	Garhi	52,020	47,710	6,746	44,241	25	409	533	0	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		28	Ghatol	87,533	34,447	2,430	74,165	11	141	308	0	0
		29	Kushalgarh	124,688	32,212	1,172	80,794	6	243	2	24	0
		30	Sajjangarh	58,751	26,539	328	51,544	6	109	109	141	0
			Total	**546,852**	**249,349**	**15,733**	**432,715**	**87**	**1,588**	**1,689**	**339**	**453,956**
4	Baran	31	Antah	52,484	47,180	3,606	47,498	25	98	0	6,428	0
		32	Atru	35,837	39,153	1,669	43,023	21	376	183	3,241	0
		33	Baran	26,936	26,930	2,072	33,776	21	25	923	1,464	69,950
		34	Chhabra	36,734	37,419	441	34,513	12	104	194	822	0
		35	Chhipabarod	58,987	45,200	677	50,318	18	222	15	902	0
		36	Kishanganj	60,606	39,229	6,927	35,210	21	60	2	3,506	0
		37	Shahbad	60,484	26,904	86	26,787	0	67	2	3,790	0
			Total	**332,067**	**262,014**	**15,478**	**271,126**	**118**	**950**	**1,318**	**20,153**	**69,950**
5	Barmer	38	Balotra	87,571	31,698	202,132	271,731	71	1,295	7,684	1,016	0
		39	Barmer	63,753	5,328	157,766	287,051	145	2,103	10,849	0	18,777
		40	Baytoo	73,840	3,686	262,236	343,832	31	1,027	9,649	416	0
		41	Chohtan	99,035	28,172	305,368	469,177	287	4,124	25,788	337	0
		42	Dhorimanna	92,458	61,486	275,099	338,538	85	1,351	13,831	2,161	0
		43	Sheo	104,597	2,258	381,778	427,125	335	3,295	17,762	0	0
		44	Sindhari	31,932	1,685	67,220	119,895	309	2,720	8,174	0	0
		45	Siwana	46,211	46,709	131,080	133,397	93	660	2,902	5,781	0
			Total	**599,397**	**181,023**	**1,782,680**	**2,390,747**	**1,355**	**16,575**	**96,638**	**9,712**	**18,777**
6	Bharatpur	46	Bayana	15,181	29,154	13,601	52,711	21	140	1,542	3,986	0
		47	Deeg	14,784	64,954	9,696	19,467	11	148	166	4,556	0
		48	Kaman	9,197	53,990	7,771	14,925	8	34	178	3,909	0
		49	Kumher	13,789	67,613	8,280	12,202	28	87	94	3,121	0
		50	Nadbai	8,854	58,461	7,037	12,508	25	97	848	3,212	0
		51	Nagar Pahari	22,544	136,450	32,422	43,581	46	118	591	5,771	0
		52	Rupbas	11,898	14,913	6,618	24,083	33	134	379	4,723	0
		53	Sewar	14,962	22,234	4,979	11,532	51	162	211	3,609	112,207
		54	Weir	9,086	53,762	12,773	34,227	78	74	1,873	3,601	0
			Total	**120,295**	**501,530**	**103,177**	**225,235**	**302**	**994**	**5,881**	**36,489**	**112,207**

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
7	Bhilwara	55	Asind	77,312	37,383	101,249	100,056	55	141	1,557	3,697	0
		56	Banera	42,262	24,967	37,871	42,976	17	30	336	602	0
		57	Hurda	42,700	21,521	40,261	37,512	17	111	191	952	0
		58	Jahazpur	73,814	40,281	65,390	116,648	71	276	316	1,573	0
		59	Kotri	36,383	17,624	4,016	23,347	17	13	49	3,509	0
		60	Mandal	46,761	35,159	73,924	83,673	89	79	803	859	0
		61	Mandalgarh	72,233	40,821	44,790	106,290	286	140	1,119	0	0
		62	Raipur	24,806	17,579	36,961	41,830	44	35	400	427	0
		63	Sahara	46,753	32,844	32,571	59,452	67	29	58	109	0
		64	Shahpura	74,135	29,853	85,636	63,582	80	142	1,139	1,583	0
		65	Suwana	69,736	43,342	37,404	68,367	77	151	696	1,289	176,286
			Total	**606,896**	**341,373**	**560,071**	**743,732**	**819**	**1,147**	**6,665**	**14,599**	**176,286**
8	Bikaner	66	Bikaner	124,778	20,631	262,907	222,154	773	1,926	16,753	0	25,785
		67	Dungargarh	62,813	28,790	99,167	103,458	10	778	9,731	0	0
		68	Khajuwala	53,649	15,031	99,805	77,384	0	1,029	5,047	0	0
		69	Kolayat	127,055	10,936	241,740	217,920	2	1,067	14,419	472	0
		70	Lunkaransar	141,716	17,941	217,673	127,923	10	2,211	20,346	170	0
		71	Nokha	80,171	51,254	116,347	196,940	6	591	14,105	0	0
			Total	**590,181**	**144,582**	**1,037,640**	**945,778**	**800**	**7,603**	**80,401**	**642**	**25,785**
9	Bundi	72	Bundi	46,048	66,279	4,168	45,107	73	179	331	2,480	51,402
		73	Hindoli	75,128	75,372	32,608	129,637	220	215	1,396	2,421	0
		74	Keshorai Patan	50,494	62,448	10,649	81,480	52	297	1,414	1,965	0
		75	Nainwa	42,926	48,935	24,586	89,251	299	229	222	2,663	0
		76	Talera	42,988	63,317	4,071	38,315	52	168	199	2,191	0
			Total	**257,585**	**316,352**	**76,082**	**383,790**	**696**	**1,088**	**3,562**	**11,719**	**51,402**
10	Chittaurgarh	77	Bari Sadri	33,326	38,620	4,344	40,387	56	118	0	281	0
		78	Begun	69,992	42,898	6,604	62,016	23	33	537	2,328	0
		79	Bhadesar	38,961	46,377	11,172	63,696	58	47	2,179	448	0
		80	Bhainsrorgarh	64,755	21,938	1,378	51,790	18	18	204	1,151	0
		81	Bhopalsagar	17,753	21,365	5,019	24,452	39	33	0	74	0
		82	Chittaurgarh	68,714	59,087	7,660	80,595	77	146	846	1,225	25,701

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		83	Dungla	31,593	42,547	10,595	43,858	92	125	0	613	0
		84	Gangrar	49,628	26,277	12,655	54,380	54	14	372	125	0
		85	Kapasan	35,507	42,732	10,039	48,906	77	66	0	149	0
		86	Nimbahera	56,934	49,256	9,127	48,083	65	151	153	3,010	0
		87	Rashmi	29,685	30,128	15,823	45,022	97	51	18	1,217	0
			Total	**496,847**	**421,225**	**94,415**	**563,185**	**657**	**802**	**4,309**	**10,621**	**25,701**
11	Churu	88	Churu	23,591	21,697	66,857	131,144	44	712	6,149	0	114,416
		89	Rajgarh	30,454	83,792	80,678	115,085	42	402	16,442	85	0
		90	Ratangarh	31,005	20,393	99,106	150,323	28	529	4,472	122	0
		91	Sardar Shahar	78,845	28,079	178,846	170,437	19	1,280	18,697	24	0
		92	Sujangarh	36,436	44,094	97,233	237,227	71	403	8,189	93	0
		93	Taranagar	25,607	32,330	60,326	83,879	28	597	12,681	231	0
			Total	**225,937**	**230,385**	**583,046**	**888,095**	**231**	**3,922**	**66,630**	**554**	**114,416**
12	Dausa	94	Bandikui	12,379	93,747	10,062	63,610	22	31	960	1,639	0
		95	Dausa	38,623	91,066	30,645	97,442	156	49	1,346	3,909	18,952
		96	Lalsot	63,185	90,598	14,363	119,467	21	110	2,798	4,278	0
		97	Mahwa	7,053	82,748	9,067	31,605	24	56	1,006	3,257	0
		98	Sikrai	12,857	94,223	14,064	53,637	46	45	1,337	3,569	0
			Total	**134,097**	**452,382**	**78,201**	**365,761**	**269**	**292**	**7,447**	**16,652**	**18,952**
13	Dhaulpur	99	Bari	11,506	75,144	3,177	33,900	9	44	142	796	0
		100	Baseri	35,223	85,349	1,457	48,696	2	3	102	3,310	0
		101	Dhaulpur	68,386	129,503	2,067	46,221	31	68	48	324	8,222
		102	Rajakhera	6,683	42,207	679	21,592	75	134	25	623	0
			Total	**121,798**	**332,203**	**7,381**	**150,409**	**116**	**249**	**316**	**5,052**	**8,222**
14	Dungarpur	103	Aspur	67,288	60,833	23,065	68,167	74	150	757	0	0
		104	Bichhiwara	95,566	40,863	41,905	100,687	42	484	527	0	0
		105	Dungarpur	49,499	21,002	21,109	50,342	21	241	263	0	213,643
		106	Sagwara	87,581	78,924	24,858	107,143	94	715	1,264	2,379	0
		107	Simalwara	105,930	58,486	27,314	94,337	23	296	258	0	0
			Total	**405,864**	**260,107**	**138,252**	**420,676**	**254**	**1,887**	**3,070**	**2,379**	**213,643**
15	Ganganagar	108	Anupgarh	107,661	55,832	88,110	89,053	42	632	3,190	332	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		109	Ganganagar	79,760	41,608	28,527	27,722	148	71	1,289	231	118,833
		110	Ghadsana	47,431	27,071	52,985	56,700	18	305	2,166	220	0
		111	Karanpur	46,104	20,694	23,366	24,499	187	66	364	11	0
		112	Padampur	113,663	54,299	54,401	22,334	162	53	3,432	29	0
		113	Raisinghnagar	63,436	32,698	33,209	42,010	94	145	3,220	85	0
		114	Sadulshahar	43,962	28,534	31,786	22,598	150	106	4,727	273	0
		115	Suratgarh	111,963	45,977	177,221	114,173	13	1,451	13,471	408	0
			Total	**613,981**	**306,713**	**489,605**	**399,088**	**815**	**2,830**	**31,858**	**1,589**	**118,833**
16	Hanumangarh	116	Bhadra	33,787	81,571	57,365	41,011	11	914	21,900	127	0
		117	Hanumangarh	83,924	66,260	39,869	44,255	144	151	5,924	0	247,883
		118	Nohar	60,870	59,458	79,296	66,816	6	1,030	23,210	27	0
		119	Pilibanga	64,225	39,096	39,735	28,841	56	204	4,910	1,586	0
		120	Rawatsar	63,273	31,899	113,640	67,242	11	1,379	11,548	114	0
		121	Sangariya	42,957	31,332	19,425	17,053	188	56	5,787	0	0
		122	Tibi	51,126	44,615	18,538	23,573	272	75	2,584	53	0
			Total	**400,161**	**354,231**	**367,868**	**288,791**	**688**	**3,808**	**75,864**	**1,907**	**247,883**
17	Jaipur	123	Amber	105,770	124,691	15,452	101,146	56	4	1,004	1,779	0
		124	Bassi	57,803	61,538	6,277	61,008	75	6	1,427	3,259	0
		125	Chaksu	32,517	51,576	35,909	62,805	67	39	1,096	1,021	0
		126	Dudu	43,549	55,141	119,287	81,529	40	0	95	1,896	0
		127	Govindgarh	105,373	153,102	12,283	76,001	110	78	1,549	2,100	0
		128	Jamwa Ramgarh	45,105	79,733	19,912	166,288	69	30	1,465	4,210	0
		129	Jhotwara	35,535	52,162	4,175	21,120	11	40	474	541	478,718
		130	Kotputli	14,777	111,345	20,769	65,630	105	113	2,161	2,294	0
		131	Phagi	29,071	52,134	69,073	57,098	96	72	601	2,618	0
		132	Sambhar	100,925	110,512	107,573	171,500	40	69	2,917	4,755	0
		133	Sanganer	28,323	52,823	11,206	28,912	48	21	629	1,729	0
		134	Shahpura	19,390	81,781	9,850	83,161	46	58	1,299	5,049	0
		135	Viratnagar	10,806	39,491	7,560	64,996	4	79	864	854	0
			Total	**628,943**	**1,026,028**	**439,326**	**1,041,193**	**767**	**608**	**15,581**	**32,106**	**478,718**
18	Jaisalmer	136	Jaisalmer	133,412	965	823,884	513,315	211	4,929	30,023	414	25,328

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		137	Sam	54,495	314	332,732	270,450	269	1,494	17,344	0	0
		138	Sankra	136,123	1,799	539,051	430,219	109	1,739	16,855	183	0
			Total	**324,030**	**3,077**	**1,695,667**	**1,213,983**	**589**	**8,162**	**64,222**	**597**	**25,328**
19	Jalore	139	Ahore	32,015	38,323	259,448	102,788	104	360	1,763	1,162	0
		140	Bhinmal	40,081	63,878	121,204	86,377	129	923	1,391	3	0
		141	Chitalwana	66,599	73,442	77,593	76,337	308	257	3,682	0	0
		142	Jalore	20,297	46,773	116,350	78,169	88	526	969	3,657	19,981
		143	Jaswantpura	19,162	56,400	61,865	66,180	152	164	1,159	101	0
		144	Raniwara	31,856	67,127	68,832	60,931	77	208	856	42	0
		145	Sanchore	46,280	51,036	53,921	53,048	214	179	2,560	0	0
		146	Sayla	14,826	59,753	58,578	56,745	193	171	966	1,692	0
			Total	**271,117**	**456,731**	**817,790**	**580,574**	**1,265**	**2,787**	**13,346**	**6,657**	**19,981**
20	Jhalawar	147	Bakani	59,702	47,497	1,270	55,311	38	205	66	827	0
		148	Dag	123,237	76,264	3,324	109,564	368	384	155	1,689	0
		149	Jhalrapatan	73,513	76,071	4,578	75,161	87	106	92	2,448	79,120
		150	Khanpur	39,168	45,000	4,559	50,746	24	79	109	5,246	0
		151	Manohar Thana	51,597	34,679	1,469	50,114	17	58	100	488	0
		152	Pirawa	60,460	56,191	3,025	58,157	222	120	33	997	0
			Total	**407,677**	**335,701**	**18,224**	**399,053**	**755**	**951**	**555**	**11,695**	**79,120**
21	Jhunjhunun	153	Alsisar	55,860	68,254	36,163	49,441	79	90	8,141	528	0
		154	Buhana	7,793	40,301	16,260	18,181	38	67	3,127	212	0
		155	Chirawa	23,940	39,251	15,498	21,189	34	38	3,488	225	0
		156	Jhunjhunun	59,728	61,103	49,856	178,330	89	233	6,136	40	21,225
		157	Khetri	9,365	52,818	43,567	96,841	35	76	3,121	398	0
		158	Nawalgarh	41,009	60,110	24,495	119,717	104	83	3,657	857	0
		159	Surajgarh	9,525	35,812	19,874	22,222	47	82	3,712	260	0
		160	Udaipurwati	25,593	62,433	35,891	130,085	79	264	4,546	2,954	0
			Total	**232,813**	**420,082**	**241,602**	**636,006**	**506**	**933**	**35,929**	**5,474**	**21,225**
22	Jodhpur	161	Balesar	48,268	12,860	110,055	187,735	29	304	3,159	101	0
		162	Bap	97,308	10,441	230,931	224,620	37	801	11,886	0	0
		163	Bawari	39,381	21,876	137,302	97,171	21	236	1,720	188	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		164	Bhopalgarh	50,947	66,347	160,698	152,316	29	395	2,816	127	0
		165	Bilara	42,170	46,808	107,352	82,776	92	330	1,256	34	0
		166	Luni	69,078	31,771	81,904	103,499	22	194	3,261	1,382	0
		167	Mandor	52,893	35,621	132,935	76,307	41	93	2,378	0	20,813
		168	Osian	78,738	43,753	14,405	194,343	43	472	3,450	379	0
		169	Phalodi	73,409	7,877	174,213	169,451	28	604	8,967	0	0
		170	Shergarh	52,291	13,931	119,228	203,379	32	330	2,820	111	0
			Total	**604,482**	**291,284**	**1,269,024**	**1,491,596**	**375**	**3,757**	**41,713**	**2,323**	**20,813**
23	Karauli	171	Hindaun	9,829	104,843	12,065	42,380	46	31	1,485	4,805	0
		172	Karauli	33,709	93,794	11,233	97,443	19	208	2,059	2,716	19,768
		173	Nadoti	13,019	45,749	13,430	53,364	67	311	507	3,700	0
		174	Sapotra	49,115	114,431	21,386	171,263	130	276	2,107	5,309	0
		175	Todabhim	7,497	80,804	12,556	42,690	49	63	920	4,426	0
			Total	**113,169**	**439,620**	**70,670**	**407,140**	**312**	**889**	**7,078**	**20,956**	**19,768**
24	Kota	176	Itawa	43,414	46,762	9,063	46,703	43	145	54	2,960	0
		177	Khairabad	33,873	33,577	1,453	38,788	19	26	1,062	1,962	0
		178	Ladpura	56,773	75,430	4,319	43,419	30	33	1,588	1,538	53,767
		179	Sangod	42,651	49,115	4,340	44,630	45	31	2,588	3,079	0
		180	Sultanpur	42,510	44,165	8,264	38,092	36	202	56	4,506	0
			Total	**219,221**	**249,050**	**27,439**	**211,632**	**173**	**436**	**5,348**	**14,045**	**53,767**
25	Nagaur	181	Degana	46,229	71,659	117,025	133,535	214	437	2,278	613	0
		182	Didwana	42,211	61,370	87,648	184,900	114	105	2,181	194	0
		183	Jayal	33,962	42,827	72,068	122,754	98	170	2,485	27	0
		184	Kuchaman City	52,602	83,088	167,339	159,211	77	257	4,039	904	0
		185	Ladnun	25,835	23,727	46,051	123,258	66	91	2,109	40	0
		186	Makrana	27,416	38,869	58,990	99,690	30	61	1,142	833	0
		187	Merta	30,145	44,059	88,888	77,363	86	75	736	406	0
		188	Mundwa	31,097	22,303	82,716	126,124	18	72	2,003	0	0
		189	Nagaur	49,354	54,078	136,094	231,131	35	132	3,763	0	31,623
		190	Parbatsar	29,802	43,593	99,041	138,425	69	186	1,490	2,010	0
		191	Riyan	23,685	34,617	69,840	60,784	67	60	578	318	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
			Total	**392,338**	**520,190**	**1,025,701**	**1,457,174**	**876**	**1,647**	**22,804**	**5,344**	**31,623**
26	Pali	192	Bali	48,296	49,159	120,357	112,408	125	380	1,014	2,132	0
		193	Desuri	36,989	48,889	164,809	84,944	148	263	2,578	4,020	0
		194	Jaitaran	42,487	48,676	131,512	98,208	136	155	542	2,254	0
		195	Kharchi (Marwar Junction)	22,940	26,558	73,065	59,048	75	98	1,562	777	0
		196	Pali	34,835	28,984	198,284	72,848	96	295	1,827	827	0
		197	Raipur	33,387	35,049	80,629	93,746	16	306	971	1,795	78,764
		198	Rani Station	13,472	15,607	42,911	34,678	44	48	861	456	0
		199	Rohat	32,890	25,107	149,109	56,489	33	410	1,748	0	0
		200	Sojat	40,925	40,079	129,835	87,609	99	122	1,572	1,371	0
		201	Sumerpur	19,126	23,065	95,483	39,893	94	57	976	764	0
			Total	**325,347**	**341,172**	**1,185,994**	**739,871**	**865**	**2,134**	**13,650**	**14,398**	**78,764**
27	Pratapgarh	202	Arnod	49,763	23,440	336	33,767	37	83	18	520	0
		203	Chhoti Sadri	54,728	37,173	4,630	44,813	27	74	0	326	0
		204	Dhariawad	136,509	71,299	49,222	120,947	20	283	497	98	0
		205	Peepalkhoont	71,618	28,184	1,988	60,680	10	115	239	0	0
		206	Pratapgarh	122,431	59,559	4,982	76,103	46	83	221	5	25,701
			Total	**435,049**	**219,655**	**61,157**	**336,312**	**140**	**638**	**974**	**949**	**25,701**
28	Rajsamand	207	Amet	28,252	30,080	23,464	63,955	91	47	379	713	0
		208	Bhim	34,345	20,184	47,527	125,685	16	23	214	419	0
		209	Deogarh	27,423	21,174	48,438	91,651	88	46	507	1,037	0
		210	Khamnor	59,840	43,958	12,421	99,777	130	683	1,896	286	0
		211	Kumbhalgarh	35,600	55,783	5,226	64,532	75	309	640	483	0
		212	Railmagra	50,339	39,319	14,798	38,127	101	16	0	64	0
		213	Rajsamand	43,311	37,283	11,017	60,456	121	89	461	514	30,386
			Total	**279,111**	**247,781**	**162,889**	**544,184**	**622**	**1,212**	**4,097**	**3,517**	**30,386**
29	Sawai madhopur	214	Bamanwas	19,010	46,651	12,326	65,369	48	133	798	4,378	0
		215	Bonli	16,629	27,989	28,989	51,751	57	80	797	2,763	0
		216	Gangapur	9,250	66,284	10,746	37,908	57	71	1,335	4,150	0
		217	Khandar	26,457	60,610	20,838	166,133	83	141	1,560	5,527	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		218	Sawai Madhopur	37,895	75,765	29,658	110,731	72	248	1,783	7,505	35,945
			Total	**109,242**	**277,298**	**102,557**	**431,893**	**318**	**673**	**6,273**	**24,324**	**35,945**
30	Sikar	219	Danta Ramgarh	38,233	61,278	65,893	110,327	53	67	2,299	2,172	0
		220	Dhond	29,966	48,147	51,772	86,685	41	52	1,806	1,708	0
		221	Fatehpur	16,610	41,568	43,768	122,089	24	155	2,560	0	0
		222	Khandela	26,601	101,879	25,066	130,728	68	90	3,188	2,750	0
		223	Lachhmangarh	44,288	57,995	69,147	171,667	101	45	4,220	42	0
		224	Neem Ka Thana	16,224	87,891	36,388	200,141	98	215	2,678	3,570	0
		225	Piprali	113,925	111,519	97,384	228,057	168	91	5,988	93	244,840
		226	Srimadhopur	20,067	76,855	18,909	100,128	52	68	2,406	2,077	0
			Total	**305,915**	**587,132**	**408,327**	**1,149,823**	**605**	**784**	**25,146**	**12,411**	**244,840**
31	Sirohi	227	Abu Road	36,171	21,318	10,173	71,035	10	17	61	0	0
		228	Pindwara	52,356	33,272	43,468	92,097	34	77	2,303	0	0
		229	Reodar	43,426	77,027	63,373	65,821	71	301	3,509	0	0
		230	Sheoganj	20,931	24,489	99,624	82,594	29	336	851	0	63,615
		231	Sirohi	36,092	26,959	105,472	54,034	85	378	2,811	0	0
			Total	**188,977**	**183,065**	**322,109**	**365,582**	**228**	**1,108**	**9,535**	**0**	**63,615**
32	Tonk	232	Deoli	40,932	55,818	45,599	64,891	109	16	301	4,307	0
		233	Malpura	46,308	56,338	82,595	71,549	140	39	181	4,089	0
		234	Niwai	55,989	85,366	115,067	121,835	199	46	1,078	4,219	0
		235	Todaraisingh	30,679	43,538	39,396	45,921	68	1	125	886	0
		236	Tonk	18,874	45,243	18,881	38,300	109	17	191	907	83,579
		237	Uniara	26,099	50,158	21,732	55,665	62	125	309	2,496	0
			Total	**218,882**	**336,461**	**323,270**	**398,163**	**687**	**244**	**2,186**	**16,904**	**83,579**
33	Udaipur	238	Bargaon	80,901	111,225	18,853	91,547	36	41	324	103	0
		239	Bhindar	55,856	33,474	3,816	63,740	14	59	527	268	0
		240	Girwa	71,090	42,603	4,858	81,124	17	75	672	342	618,616
		241	Gogunda	20,960	9,657	9,790	26,921	16	82	158	13	0
		242	Jhadol	44,512	19,926	13,490	57,169	24	173	323	29	0
		243	Kherwara	68,270	39,346	21,172	90,912	2	107	252	0	0
		244	Kotra	35,690	15,976	7,202	45,839	27	139	270	24	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		245	Lasadiya	32,822	22,931	13,256	64,179	47	87	204	0	0
		246	Mavli	64,439	62,565	9,950	75,083	53	48	2,295	101	0
		247	Rishabhdeo	55,633	32,060	17,251	74,086	11	87	221	0	0
		248	Salumbar	66,639	46,557	26,915	130,301	95	175	611	0	0
		249	Sarada	74,054	49,721	17,729	90,280	17	125	853	164	0
			Total	**670,866**	**486,040**	**164,283**	**891,182**	**359**	**1,198**	**6,707**	**1,045**	**618,616**

Table B-5.4 Projected District and Block wise Livestock Population in 2040

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
1	Ajmer	1	Arain	31,445	46,866	62,134	72,847	11	32	17	3,114	0
		2	Bhinay	65,725	62,319	128,269	111,655	27	63	328	2,058	0
		3	Jawaja	27,326	29,689	51,457	158,491	14	16	180	1,998	0
		4	Kekri	61,620	76,009	113,511	114,335	66	125	83	4,093	0
		5	Kishangarh	69,923	95,937	155,027	194,103	32	202	1,236	5,873	0
		6	Masooda	47,051	52,276	128,646	121,013	15	65	574	4,801	0
		7	Peesangan	27,431	53,360	79,997	81,040	14	35	518	10,979	0
		8	Srinagar	29,563	45,538	32,397	130,399	41	46	646	3,408	2,846,603
			Total	**360,084**	**461,995**	**751,438**	**983,883**	**218**	**584**	**3,582**	**36,323**	**2,846,603**
2	Alwar	9	Bansure	12,292	110,384	14,188	64,058	29	98	2,346	1,507	0
		10	Behror	11,053	93,216	11,883	32,856	51	93	3,525	1,660	0
		11	Kathumar	8,444	106,445	20,294	22,847	54	20	1,095	5,763	0
		12	Kishangarh Bas	9,479	61,841	6,616	57,743	14	48	986	137	0
		13	Kotkasim	10,799	66,086	5,800	9,822	31	26	880	274	0
		14	Lachhmangarh	11,558	133,916	15,012	52,277	37	10	1,350	4,968	0
		15	Mandawar	8,480	98,754	9,986	34,076	37	78	2,189	798	0
		16	Nimrana	8,556	67,509	8,191	25,379	12	16	825	94	0
		17	Rajgarh	25,756	138,246	12,191	176,148	15	49	2,010	6,545	0
		18	Ramgarh	13,791	91,308	15,846	71,501	15	12	925	2,255	0
		19	Reni	8,528	63,109	5,412	16,111	4	8	664	124	0
		20	Thanagazi	16,565	79,091	7,359	141,388	22	69	785	2,679	0
		21	Tijara	27,245	111,268	7,649	55,150	24	47	1,378	1,493	0
		22	Umren	14,855	105,775	8,166	157,259	43	209	1,386	4,173	525,080
			Total	**187,403**	**1,326,948**	**148,593**	**916,616**	**388**	**782**	**20,345**	**32,471**	**525,080**
3	Banswara	23	Anandpuri	25,571	29,180	3,896	26,674	8	125	281	0	0
		24	Bagidora	70,600	40,140	464	75,973	5	115	142	217	0
		25	Banswara	82,616	43,251	989	77,864	7	120	236	3	593,152
		26	Chhoti Sarvan	41,307	21,625	493	38,931	3	60	118	0	0
		27	Garhi	51,145	59,040	7,793	53,350	16	250	561	0	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		28	Ghatol	86,060	42,628	2,808	89,436	7	87	324	0	0
		29	Kushalgarh	122,590	39,861	1,354	97,430	4	149	2	30	0
		30	Sajjangarh	57,762	32,841	379	62,158	4	67	114	177	0
			Total	**537,651**	**308,567**	**18,176**	**521,815**	**53**	**972**	**1,778**	**428**	**593,152**
4	Baran	31	Antah	51,601	58,384	4,166	57,279	15	60	0	8,099	0
		32	Atru	35,234	48,451	1,928	51,882	13	230	192	4,083	0
		33	Baran	26,483	33,326	2,394	40,730	13	15	972	1,844	91,399
		34	Chhabra	36,116	46,305	510	41,620	7	64	204	1,036	0
		35	Chhipabarod	57,994	55,934	782	60,679	11	136	16	1,136	0
		36	Kishanganj	59,587	48,546	8,002	42,461	13	36	2	4,417	0
		37	Shahbad	59,466	33,293	99	32,303	0	41	2	4,774	0
			Total	**326,480**	**324,240**	**17,881**	**326,953**	**72**	**582**	**1,388**	**25,388**	**91,399**
5	Barmer	38	Balotra	86,098	39,226	233,517	327,683	43	793	8,090	1,280	0
		39	Barmer	62,681	6,594	182,261	346,158	89	1,287	11,422	0	24,535
		40	Baytoo	72,598	4,561	302,952	414,630	19	629	10,159	525	0
		41	Chohtan	97,369	34,863	352,781	565,785	175	2,524	27,151	424	0
		42	Dhorimanna	90,903	76,089	317,812	408,246	52	827	14,562	2,723	0
		43	Sheo	102,837	2,794	441,055	515,075	205	2,017	18,701	0	0
		44	Sindhari	31,394	2,086	77,657	144,582	189	1,665	8,606	0	0
		45	Siwana	45,434	57,802	151,432	160,865	57	404	3,055	7,283	0
			Total	**589,313**	**224,014**	**2,059,468**	**2,883,025**	**830**	**10,145**	**101,746**	**12,235**	**24,535**
6	Bharatpur	46	Bayana	14,925	36,077	15,712	63,564	13	86	1,624	5,022	0
		47	Deeg	14,536	80,380	11,202	23,475	7	91	175	5,740	0
		48	Kaman	9,042	66,812	8,977	17,998	5	21	187	4,925	0
		49	Kumher	13,557	83,670	9,565	14,715	17	53	99	3,932	0
		50	Nadbai	8,705	72,345	8,130	15,083	16	59	892	4,046	0
		51	Nagar Pahari	22,165	168,855	37,456	52,555	28	72	622	7,270	0
		52	Rupbas	11,698	18,455	7,646	29,042	20	82	399	5,950	0
		53	Sewar	14,710	27,514	5,752	13,906	31	99	222	4,547	146,613
		54	Weir	8,933	66,530	14,756	41,275	48	45	1,972	4,537	0
			Total	**118,271**	**620,638**	**119,197**	**271,613**	**185**	**608**	**6,192**	**45,969**	**146,613**

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
7	Bhilwara	55	Asind	76,012	46,261	116,969	120,659	34	86	1,639	4,657	0
		56	Banera	41,551	30,896	43,751	51,825	11	18	354	758	0
		57	Hurda	41,982	26,632	46,512	45,236	11	68	201	1,199	0
		58	Jahazpur	72,572	49,847	75,542	140,667	43	169	333	1,981	0
		59	Kotri	35,771	21,809	4,640	28,155	10	8	52	4,420	0
		60	Mandal	45,974	43,508	85,402	100,902	54	48	846	1,082	0
		61	Mandalgarh	71,018	50,516	51,744	128,176	175	86	1,178	0	0
		62	Raipur	24,389	21,754	42,700	50,443	27	21	421	538	0
		63	Sahara	45,966	40,645	37,628	71,694	41	18	61	137	0
		64	Shahpura	72,888	36,942	98,932	76,674	49	87	1,199	1,995	0
		65	Suwana	68,563	53,635	43,211	82,444	47	92	733	1,624	230,341
			Total	**596,685**	**422,445**	**647,031**	**896,873**	**502**	**702**	**7,017**	**18,392**	**230,341**
8	Bikaner	66	Bikaner	122,679	25,530	303,728	267,897	473	1,179	17,638	0	33,691
		67	Dungargarh	57,823	35,627	114,565	124,761	6	476	10,245	0	0
		68	Khajuwala	52,746	18,601	115,301	93,318	0	630	5,313	0	0
		69	Kolayat	124,917	13,533	279,274	262,792	1	653	15,181	595	0
		70	Lunkaransar	139,332	22,201	251,470	154,263	6	1,354	21,422	214	0
		71	Nokha	78,822	63,426	134,412	237,492	3	362	14,850	0	0
			Total	**576,319**	**178,918**	**1,198,749**	**1,140,523**	**489**	**4,653**	**84,650**	**809**	**33,691**
9	Bundi	72	Bundi	45,274	82,019	4,816	54,395	45	109	348	3,124	67,164
		73	Hindoli	73,864	93,272	37,671	156,331	135	132	1,470	3,050	0
		74	Keshorai Patan	49,645	77,279	12,302	98,257	32	182	1,489	2,476	0
		75	Nainwa	42,204	60,557	28,404	107,629	183	140	234	3,354	0
		76	Talera	42,265	78,353	4,703	46,205	32	103	210	2,760	0
			Total	**253,251**	**391,481**	**87,895**	**462,816**	**426**	**666**	**3,750**	**14,764**	**67,164**
10	Chittaurgarh	77	Bari Sadri	32,765	47,792	5,019	48,703	35	72	0	354	0
		78	Begun	68,814	53,086	7,629	74,785	14	20	565	2,933	0
		79	Bhadesar	38,305	57,391	12,906	76,811	35	29	2,294	565	0
		80	Bhainsrorgarh	63,665	27,148	1,592	62,454	11	11	215	1,450	0
		81	Bhopalsagar	17,455	26,439	5,799	29,487	24	20	0	94	0
		82	Chittaurgarh	67,557	73,119	8,850	97,190	47	89	891	1,544	33,582

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		83	Dungla	31,062	52,652	12,240	52,889	56	76	0	772	0
		84	Gangrar	48,793	32,517	14,620	65,577	33	9	392	157	0
		85	Kapasan	34,910	52,880	11,597	58,976	47	40	0	187	0
		86	Nimbahera	55,976	60,954	10,544	57,984	40	92	161	3,792	0
		87	Rashmi	29,186	37,283	18,279	54,293	59	31	19	1,534	0
			Total	**488,488**	**521,261**	**109,074**	**679,150**	**402**	**491**	**4,537**	**13,381**	**33,582**
11	Churu	88	Churu	23,194	26,849	77,238	158,147	27	436	6,474	0	149,499
		89	Rajgarh	29,942	103,692	93,204	138,782	26	246	17,311	107	0
		90	Ratangarh	30,484	35,236	114,494	181,275	17	324	4,709	154	0
		91	Sardar Shahar	77,518	44,747	206,614	205,532	12	783	19,685	30	0
		92	Sujangarh	35,823	54,566	112,330	286,074	43	246	8,622	117	0
		93	Taranagar	25,176	40,008	69,693	101,151	17	365	13,351	291	0
			Total	**222,135**	**305,098**	**673,572**	**1,070,962**	**141**	**2,401**	**70,152**	**698**	**149,499**
12	Dausa	94	Bandikui	12,171	116,011	11,624	76,708	14	19	1,010	2,065	0
		95	Dausa	37,973	112,693	35,403	117,506	96	30	1,418	4,925	24,763
		96	Lalsot	62,122	112,114	16,593	144,066	13	68	2,946	5,389	0
		97	Mahwa	6,934	102,400	10,474	38,113	15	35	1,059	4,103	0
		98	Sikrai	12,640	116,600	16,247	64,681	28	28	1,407	4,875	0
			Total	**131,841**	**559,817**	**90,342**	**441,074**	**165**	**179**	**7,840**	**21,356**	**24,763**
13	Dhaulpur	99	Bari	11,313	92,990	3,670	40,880	5	27	149	1,002	0
		100	Baseri	34,631	105,619	1,683	58,723	1	2	107	4,170	0
		101	Dhaulpur	67,236	160,258	2,388	55,739	19	42	50	408	10,742
		102	Rajakhera	6,570	52,231	785	26,038	46	82	26	785	0
			Total	**119,749**	**411,097**	**8,527**	**181,380**	**71**	**153**	**333**	**6,365**	**10,742**
14	Dungarpur	103	Aspur	66,156	75,280	26,647	82,204	45	92	797	0	0
		104	Bichhiwara	93,958	50,567	48,412	121,419	26	296	555	0	0
		105	Dungarpur	48,666	25,989	24,386	60,708	13	148	277	0	279,152
		106	Sagwara	86,108	97,667	28,718	129,205	58	438	1,331	2,997	0
		107	Simalwara	104,148	72,375	31,555	113,762	14	181	272	0	0
			Total	**399,036**	**321,879**	**159,718**	**507,297**	**156**	**1,155**	**3,232**	**2,997**	**279,152**
15	Ganganagar	108	Anupgarh	105,849	69,091	101,791	107,390	26	387	3,359	418	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		109	Ganganagar	78,418	51,489	32,956	33,430	90	44	1,357	291	155,271
		110	Ghadsana	46,633	33,500	61,211	68,376	11	187	2,281	277	0
		111	Karanpur	45,329	31,608	26,994	29,543	115	40	383	13	0
		112	Padampur	111,750	67,195	62,848	26,932	99	33	3,613	37	0
		113	Raisinghnagar	62,369	40,463	38,366	50,660	58	89	3,390	107	0
		114	Sadulshahar	43,222	35,311	36,721	27,251	92	65	4,977	344	0
		115	Suratgarh	110,079	56,896	204,737	137,682	8	888	14,183	515	0
			Total	**603,651**	**385,553**	**565,624**	**481,264**	**499**	**1,732**	**33,542**	**2,001**	**155,271**
16	Hanumangarh	116	Bhadra	33,219	100,943	66,272	49,456	7	559	23,058	160	0
		117	Hanumangarh	82,512	81,997	46,059	53,367	88	92	6,237	0	323,891
		118	Nohar	59,846	73,578	91,608	80,574	3	630	24,437	33	0
		119	Pilibanga	63,144	48,381	45,905	34,780	35	125	5,170	1,998	0
		120	Rawatsar	62,208	39,474	131,284	81,088	7	844	12,159	144	0
		121	Sangariya	42,234	38,773	22,441	20,564	115	34	6,093	0	0
		122	Tibi	50,266	55,210	21,416	28,426	167	46	2,721	67	0
			Total	**393,428**	**438,356**	**424,985**	**348,255**	**421**	**2,331**	**79,874**	**2,402**	**323,891**
17	Jaipur	123	Amber	103,991	154,304	17,851	121,973	35	2	1,057	2,242	0
		124	Bassi	56,830	76,153	7,252	73,570	46	4	1,503	4,106	0
		125	Chaksu	31,970	63,824	41,484	75,738	41	24	1,154	1,286	0
		126	Dudu	42,816	68,236	137,809	98,317	25	0	101	2,389	0
		127	Govindgarh	103,600	189,461	14,190	91,650	67	48	1,631	2,646	0
		128	Jamwa Ramgarh	44,346	98,668	23,003	200,528	42	18	1,542	5,934	0
		129	Jhotwara	34,937	64,549	4,823	25,468	7	24	499	682	625,507
		130	Kotputli	14,528	137,788	23,994	79,144	64	69	2,275	2,890	0
		131	Phagi	28,582	64,515	79,797	68,855	59	44	633	3,298	0
		132	Sambhar	99,227	136,757	124,276	206,813	24	42	3,071	5,990	0
		133	Sanganer	27,846	65,368	12,945	34,865	30	13	662	2,178	0
		134	Shahpura	19,064	101,203	11,379	100,285	28	35	1,367	6,361	0
		135	Viratnagar	10,624	48,870	8,734	78,380	2	48	910	1,076	0
			Total	**618,361**	**1,269,697**	**507,538**	**1,255,584**	**469**	**372**	**16,405**	**41,078**	**625,507**
18	Jaisalmer	136	Jaisalmer	131,167	1,194	951,805	619,011	129	3,017	31,610	521	33,094

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		137	Sam	53,578	388	384,394	326,138	165	914	18,261	0	0
		138	Sankra	133,833	2,226	622,747	518,805	67	1,064	17,746	231	0
			Total	**318,579**	**3,808**	**1,958,946**	**1,463,954**	**361**	**4,996**	**67,616**	**752**	**33,094**
19	Jalore	139	Ahore	31,477	47,424	299,731	123,952	64	220	1,856	1,463	0
		140	Bhinmal	39,407	79,048	140,022	104,163	79	565	1,464	3	0
		141	Chitalwana	65,479	90,884	89,640	92,056	189	157	3,877	0	0
		142	Jalore	19,956	57,881	134,415	94,264	54	322	1,021	4,607	26,108
		143	Jaswantpura	18,839	69,794	71,471	79,807	93	100	1,220	127	0
		144	Raniwara	31,320	83,068	79,519	73,477	47	127	901	53	0
		145	Sanchore	45,502	63,156	62,293	63,970	131	109	2,695	0	0
		146	Sayla	14,577	73,944	67,673	68,429	118	104	1,017	2,132	0
			Total	**266,555**	**565,199**	**944,765**	**700,119**	**774**	**1,706**	**14,051**	**8,386**	**26,108**
20	Jhalawar	147	Bakani	58,697	58,776	1,467	66,700	23	125	69	1,042	0
		148	Dag	121,164	94,376	3,840	132,124	225	235	163	2,128	0
		149	Jhalrapatan	72,276	94,137	5,289	90,638	53	65	97	3,084	103,381
		150	Khanpur	38,509	55,687	5,267	61,195	15	49	114	6,608	0
		151	Manohar Thana	50,728	42,914	1,697	60,433	11	35	106	615	0
		152	Pirawa	59,443	69,535	3,494	70,132	136	73	35	1,256	0
			Total	**400,818**	**415,426**	**21,054**	**481,222**	**462**	**582**	**584**	**14,734**	**103,381**
21	Jhunjhunun	153	Alsisar	54,920	84,463	41,777	59,622	49	55	8,571	665	0
		154	Buhana	7,662	46,260	18,784	21,925	23	41	3,293	267	0
		155	Chirawa	23,537	36,198	17,904	25,552	21	23	3,672	284	0
		156	Jhunjhunun	58,723	75,615	57,596	215,050	54	142	6,461	50	27,733
		157	Khetri	9,208	65,361	50,331	116,781	21	47	3,286	501	0
		158	Nawalgarh	40,319	74,385	28,298	144,368	64	51	3,851	1,079	0
		159	Surajgarh	9,365	44,317	22,960	26,798	29	50	3,908	327	0
		160	Udaipurwati	25,163	77,260	41,463	156,870	49	161	4,787	3,722	0
			Total	**228,896**	**503,859**	**279,115**	**766,965**	**310**	**571**	**37,828**	**6,896**	**27,733**
22	Jodhpur	161	Balesar	47,456	15,914	127,143	226,391	17	186	3,326	127	0
		162	Bap	95,671	12,920	266,787	270,871	23	490	12,514	0	0
		163	Bawari	38,718	27,071	158,621	117,180	13	144	1,811	237	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		164	Bhopalgarh	50,090	82,104	185,649	183,680	18	242	2,965	160	0
		165	Bilara	41,461	57,924	124,020	99,820	56	202	1,322	43	0
		166	Luni	67,916	39,317	94,621	124,811	14	119	3,433	1,741	0
		167	Mandor	52,003	44,081	153,575	92,019	25	57	2,504	0	27,195
		168	Osian	77,413	54,144	16,641	234,360	26	289	3,632	478	0
		169	Phalodi	72,174	9,748	201,262	204,342	17	370	9,441	0	0
		170	Shergarh	51,411	17,239	137,739	245,256	19	202	2,969	140	0
			Total	**594,312**	**360,461**	**1,466,059**	**1,798,730**	**229**	**2,300**	**43,918**	**2,927**	**27,195**
23	Karauli	171	Hindaun	9,663	129,742	13,939	51,106	28	19	1,563	6,054	0
		172	Karauli	33,142	116,069	12,977	117,507	12	127	2,168	3,421	25,830
		173	Nadoti	12,800	56,614	15,515	64,352	41	191	534	4,661	0
		174	Sapotra	48,289	141,607	24,706	206,528	80	169	2,218	6,689	0
		175	Todabhim	7,371	99,994	14,505	51,480	30	38	969	5,576	0
			Total	**111,265**	**544,024**	**81,643**	**490,974**	**191**	**544**	**7,452**	**26,401**	**25,830**
24	Kota	176	Itawa	42,684	57,867	10,470	56,320	26	88	57	3,729	0
		177	Khairabad	33,303	41,551	1,679	46,774	12	16	1,118	2,472	0
		178	Ladpura	55,818	93,344	4,990	52,359	18	20	1,672	1,938	70,253
		179	Sangod	41,934	60,779	5,014	53,820	28	19	2,724	3,879	0
		180	Sultanpur	41,795	54,654	9,547	45,936	22	123	59	5,676	0
			Total	**215,532**	**308,196**	**31,700**	**255,209**	**106**	**267**	**5,631**	**17,694**	**70,253**
25	Nagaur	181	Degana	45,451	88,677	135,195	161,031	131	268	2,398	772	0
		182	Didwana	41,501	75,945	101,257	222,972	70	64	2,296	244	0
		183	Jayal	33,391	52,997	83,257	148,030	60	104	2,617	33	0
		184	Kuchaman City	51,717	102,821	193,320	191,994	47	157	4,253	1,139	0
		185	Ladnun	25,400	29,362	53,202	148,638	40	56	2,220	50	0
		186	Makrana	26,955	48,100	68,149	120,217	18	37	1,203	1,049	0
		187	Merta	29,638	54,522	102,689	93,293	52	46	775	511	0
		188	Mundwa	30,574	27,600	95,559	152,094	11	44	2,109	0	0
		189	Nagaur	48,524	66,921	157,224	278,723	21	81	3,962	0	41,319
		190	Parbatsar	29,301	53,946	114,419	166,928	42	114	1,568	2,532	0
		191	Riyan	23,286	42,839	80,684	73,301	41	36	608	401	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
			Total	**385,737**	**643,729**	**1,184,956**	**1,757,220**	**536**	**1,008**	**24,009**	**6,732**	**41,319**
26	Pali	192	Bali	47,483	60,833	139,044	135,554	77	232	1,068	2,686	0
		193	Desuri	36,367	60,499	190,399	102,435	90	161	2,714	5,065	0
		194	Jaitaran	41,772	60,235	151,931	118,429	83	95	570	2,840	0
		195	Kharchi (Marwar Junction)	22,554	32,865	84,410	71,207	46	60	1,645	979	0
		196	Pali	34,249	35,868	229,071	87,848	59	180	1,924	1,042	0
		197	Raipur	32,825	43,372	93,148	113,049	10	188	1,022	2,262	102,915
		198	Rani Station	13,245	19,313	49,573	41,818	27	29	906	575	0
		199	Rohat	32,337	31,070	172,260	68,121	20	251	1,840	0	0
		200	Sojat	40,237	49,598	149,993	105,649	61	75	1,655	1,727	0
		201	Sumerpur	18,804	28,543	110,308	48,108	58	35	1,028	962	0
			Total	**319,873**	**422,197**	**1,370,138**	**892,217**	**530**	**1,306**	**14,372**	**18,138**	**102,915**
27	Pratapgarh	202	Arnod	48,926	29,007	388	40,720	23	51	19	655	0
		203	Chhoti Sadri	53,807	46,001	5,349	54,041	17	45	0	411	0
		204	Dhariawad	134,213	88,232	56,865	145,851	12	174	523	124	0
		205	Peepalkhoont	70,413	34,877	2,297	73,175	6	70	251	0	0
		206	Pratapgarh	120,371	73,703	5,755	91,774	28	51	232	7	33,582
			Total	**427,730**	**271,820**	**70,653**	**405,561**	**86**	**390**	**1,026**	**1,196**	**33,582**
28	Rajsamand	207	Amet	27,777	37,223	27,107	77,125	55	29	399	899	0
		208	Bhim	33,768	24,978	54,906	151,565	10	14	225	528	0
		209	Deogarh	26,962	26,202	55,958	110,523	54	28	534	1,306	0
		210	Khamnor	58,833	54,397	14,349	120,322	80	418	1,996	361	0
		211	Kumbhalgarh	35,001	69,031	6,038	77,819	46	189	674	608	0
		212	Railmagra	49,492	48,657	17,095	45,978	62	10	0	80	0
		213	Rajsamand	42,583	46,137	12,727	72,905	74	54	485	648	39,703
			Total	**274,415**	**306,626**	**188,180**	**656,236**	**381**	**742**	**4,313**	**4,430**	**39,703**
29	Sawai madhopur	214	Bamanwas	18,691	57,730	14,239	78,829	30	82	841	4,516	0
		215	Bonli	16,349	34,636	33,490	62,407	35	49	839	3,481	0
		216	Gangapur	9,095	82,026	12,415	45,714	35	44	1,405	5,229	0
		217	Khandar	26,012	75,004	24,074	200,342	51	86	1,643	6,963	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		218	Sawai Madhopur	37,258	93,758	34,262	133,532	44	152	1,877	7,455	46,967
			Total	**107,404**	**343,153**	**118,480**	**520,824**	**194**	**412**	**6,604**	**27,644**	**46,967**
30	Sikar	219	Danta Ramgarh	37,590	75,830	76,124	128,045	33	41	2,421	2,736	0
		220	Dhond	29,462	59,581	59,810	104,535	25	32	1,901	2,152	0
		221	Fatehpur	16,331	26,690	50,564	149,640	15	95	2,695	0	0
		222	Khandela	26,154	126,074	28,958	160,058	42	55	3,357	3,465	0
		223	Lachhmangarh	43,543	71,769	79,883	207,015	62	28	4,443	53	0
		224	Neem Ka Thana	15,951	108,764	42,037	241,351	60	132	2,820	4,497	0
		225	Piprali	112,008	138,004	112,504	275,016	103	56	6,305	117	319,915
		226	Srimadhopur	19,729	95,107	21,845	120,745	32	42	2,534	2,616	0
			Total	**300,768**	**701,818**	**471,726**	**1,386,406**	**370**	**480**	**26,475**	**15,636**	**319,915**
31	Sirohi	227	Abu Road	35,563	26,381	11,752	85,662	6	10	64	0	0
		228	Pindwara	51,475	41,174	50,217	111,061	21	47	2,424	0	0
		229	Reodar	42,696	95,320	73,213	79,375	43	184	3,695	0	0
		230	Sheoganj	20,578	30,304	115,092	99,601	17	206	896	0	81,508
		231	Sirohi	35,485	33,361	121,848	65,160	52	231	2,960	0	0
			Total	**185,798**	**226,541**	**372,122**	**440,859**	**139**	**678**	**10,039**	**0**	**81,508**
32	Tonk	232	Deoli	40,243	69,074	52,679	78,253	67	10	317	5,426	0
		233	Malpura	45,529	69,718	95,419	86,282	86	24	191	5,152	0
		234	Niwai	55,047	105,639	129,933	146,922	122	28	1,135	5,316	0
		235	Todaraisingh	30,163	53,877	45,512	55,377	42	0	132	1,116	0
		236	Tonk	18,557	55,987	21,813	46,187	67	11	201	1,143	109,206
		237	Uniara	25,660	62,070	25,106	67,127	38	76	326	3,144	0
			Total	**215,200**	**416,366**	**370,462**	**480,148**	**420**	**149**	**2,301**	**21,296**	**109,206**
33	Udaipur	238	Bargaon	79,540	137,639	21,780	110,397	22	25	341	130	0
		239	Bhindar	54,916	41,424	4,408	76,865	9	36	555	337	0
		240	Girwa	69,894	52,721	5,612	97,829	11	46	707	431	808,301
		241	Gogunda	21,607	11,950	11,310	32,465	10	50	166	17	0
		242	Jhadol	43,763	24,658	15,585	68,941	15	106	340	37	0
		243	Kherwara	67,122	48,690	24,460	109,632	1	66	265	0	0
		244	Kotra	35,090	29,770	8,321	55,278	17	85	284	30	0

S. No.	District	S. No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		245	Lasadiya	32,270	28,376	15,314	77,394	29	53	215	0	0
		246	Mavli	63,355	77,423	11,495	90,544	33	29	2,416	127	0
		247	Rishabhdeo	54,697	49,674	19,930	89,341	7	53	232	0	0
		248	Salumbar	65,518	57,614	31,094	157,131	58	107	643	0	0
		249	Sarada	72,808	61,529	15,861	108,869	10	76	898	207	0
			Total	**660,579**	**621,468**	**185,170**	**1,074,685**	**220**	**733**	**7,062**	**1,316**	**808,301**

Table B-5.5 Projected District and Block wise Livestock Population in 2060

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
1	Ajmer	1	Arain	30,907	55,898	70,443	85,286	4	12	18	3,756	0
		2	Bhinay	64,600	74,328	145,423	130,720	10	23	344	2,482	0
		3	Jawaja	26,859	35,410	58,338	185,553	5	6	189	2,410	0
		4	Kekri	60,566	90,657	128,691	133,858	24	46	87	4,937	0
		5	Kishangarh	68,726	114,424	175,759	227,246	12	74	1,299	7,085	0
		6	Masooda	46,246	62,350	145,850	141,676	5	24	603	5,791	0
		7	Peesangan	26,962	63,643	90,695	94,878	5	13	545	13,243	0
		8	Srinagar	29,057	54,314	36,730	152,665	15	17	680	4,111	3,514,618
			Total	**353,923**	**551,023**	**851,930**	**1,151,881**	**79**	**213**	**3,766**	**43,814**	**3,514,618**
2	Alwar	9	Bansure	12,081	131,656	16,086	74,996	10	36	2,467	1,818	0
		10	Behror	10,863	111,179	13,472	38,467	18	34	3,706	2,003	0
		11	Kathumar	8,299	126,957	23,007	26,748	20	7	1,152	6,952	0
		12	Kishangarh Bas	9,317	73,758	7,501	67,603	5	18	1,037	165	0
		13	Kotkasim	10,614	78,822	6,576	11,500	11	9	926	330	0
		14	Lachhmangarh	11,361	159,722	17,020	61,203	13	4	1,419	5,993	0
		15	Mandawar	8,335	117,784	11,321	39,895	13	28	2,301	963	0
		16	Nimrana	8,410	80,518	9,287	29,713	4	6	867	113	0
		17	Rajgarh	25,316	164,887	13,821	206,225	5	18	2,114	7,895	0
		18	Ramgarh	13,555	108,903	17,965	83,710	5	4	973	2,720	0
		19	Reni	8,382	75,271	6,136	18,862	1	3	698	149	0
		20	Thanagazi	16,282	94,332	8,343	165,530	8	25	825	3,232	0
		21	Tijara	26,779	132,710	8,672	64,567	9	17	1,448	1,801	0
		22	Umren	14,601	126,159	9,258	184,111	16	76	1,458	5,033	648,302
			Total	**184,196**	**1,582,656**	**168,464**	**1,073,129**	**141**	**285**	**21,390**	**39,168**	**648,302**
3	Banswara	23	Anandpuri	25,134	34,803	4,417	31,228	3	46	295	0	0
		24	Bagidora	69,392	47,875	527	88,945	2	42	149	262	0
		25	Banswara	81,202	51,586	1,121	91,159	2	44	248	4	732,348
		26	Chhoti Sarvan	40,601	25,792	559	45,578	1	22	124	0	0
		27	Garhi	50,269	70,417	8,835	62,460	6	91	590	0	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		28	Ghatol	84,588	50,843	3,183	104,707	2	32	341	0	0
		29	Kushalgarh	120,492	47,543	1,535	114,066	1	54	2	36	0
		30	Sajjangarh	56,774	39,170	429	72,771	1	24	120	214	0
			Total	**528,451**	**368,029**	**20,606**	**610,915**	**19**	**354**	**1,869**	**516**	**732,348**
4	Baran	31	Antah	50,718	69,635	4,723	67,059	5	22	0	9,769	0
		32	Atru	34,631	57,788	2,186	60,741	5	84	202	4,925	0
		33	Baran	26,030	39,748	2,714	47,685	5	5	1,022	2,225	112,848
		34	Chhabra	35,498	55,228	578	48,726	3	23	215	1,249	0
		35	Chhipabarod	57,002	66,713	886	71,040	4	49	16	1,370	0
		36	Kishanganj	58,567	57,901	9,072	49,711	5	13	2	5,328	0
		37	Shahbad	58,448	39,709	112	37,818	0	15	2	5,759	0
			Total	**320,894**	**386,722**	**20,272**	**382,781**	**26**	**212**	**1,459**	**30,624**	**112,848**
5	Barmer	38	Balotra	84,624	46,785	264,745	383,635	16	289	8,505	1,543	0
		39	Barmer	61,608	7,864	206,636	405,265	32	469	12,009	0	30,292
		40	Baytoo	71,356	5,440	343,467	485,428	7	229	10,681	633	0
		41	Chohtan	95,703	41,581	399,959	662,393	64	919	28,545	512	0
		42	Dhorimanna	89,347	90,751	360,314	477,955	19	301	15,310	3,284	0
		43	Sheo	101,077	3,333	500,039	603,024	75	735	19,661	0	0
		44	Sindhari	30,857	2,488	88,042	169,269	69	606	9,048	0	0
		45	Siwana	44,656	68,940	171,683	188,333	21	147	3,212	8,785	0
			Total	**579,228**	**267,183**	**2,334,886**	**3,375,303**	**302**	**3,695**	**106,971**	**14,758**	**30,292**
6	Bharatpur	46	Bayana	14,670	43,029	17,814	74,418	5	31	1,707	6,057	0
		47	Deeg	14,287	95,869	12,700	27,484	2	33	184	6,924	0
		48	Kaman	8,888	79,686	10,178	21,071	2	8	197	5,940	0
		49	Kumher	13,325	99,793	10,844	17,227	6	19	104	4,743	0
		50	Nadbai	8,556	86,286	9,217	17,658	6	22	938	4,880	0
		51	Nagar Pahari	21,786	201,395	42,465	61,528	10	26	654	8,769	0
		52	Rupbas	11,498	22,011	8,668	34,000	7	30	419	7,177	0
		53	Sewar	14,459	32,816	6,521	16,281	11	36	233	5,485	181,019
		54	Weir	8,780	79,351	16,730	48,323	17	16	2,073	5,473	0
			Total	**116,247**	**740,237**	**135,137**	**317,991**	**67**	**222**	**6,510**	**55,449**	**181,019**

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
7	Bhilwara	55	Asind	74,711	55,176	132,612	141,261	12	31	1,724	5,618	0
		56	Banera	40,840	36,850	49,602	60,674	4	7	372	915	0
		57	Hurda	41,263	31,764	52,732	52,960	4	25	211	1,447	0
		58	Jahazpur	71,330	59,453	85,645	164,686	16	62	350	2,390	0
		59	Kotri	35,159	26,012	5,260	32,962	4	3	55	5,332	0
		60	Mandal	45,187	51,893	96,823	118,131	20	18	889	1,306	0
		61	Mandalgarh	69,803	60,250	58,664	150,062	64	31	1,239	0	0
		62	Raipur	23,971	25,946	48,411	59,056	10	8	443	649	0
		63	Sahara	45,180	48,477	42,660	83,936	15	7	64	165	0
		64	Shahpura	71,641	44,061	112,162	89,766	18	32	1,261	2,406	0
		65	Suwana	67,389	63,971	48,990	96,521	17	34	771	1,959	284,395
			Total	**586,475**	**503,852**	**733,560**	**1,050,015**	**183**	**256**	**7,377**	**22,185**	**284,395**
8	Bikaner	66	Bikaner	120,579	30,450	344,346	313,641	172	429	18,544	0	41,598
		67	Dungargarh	56,834	42,493	129,886	146,064	2	173	10,772	0	0
		68	Khajuwala	51,844	22,186	130,721	109,252	0	229	5,586	0	0
		69	Kolayat	122,779	16,141	316,622	307,664	1	238	15,961	717	0
		70	Lunkaransar	136,948	26,479	285,100	180,604	2	493	22,522	258	0
		71	Nokha	77,474	75,648	152,387	278,044	1	132	15,613	0	0
			Total	**566,457**	**213,397**	**1,359,061**	**1,335,268**	**178**	**1,695**	**88,997**	**975**	**41,598**
9	Bundi	72	Bundi	44,499	97,825	5,460	63,683	16	40	366	3,768	82,925
		73	Hindoli	72,600	111,246	42,709	183,024	49	48	1,545	3,679	0
		74	Keshorai Patan	48,795	92,171	13,947	115,034	12	66	1,565	2,986	0
		75	Nainwa	41,482	72,227	32,202	126,006	67	51	246	4,046	0
		76	Talera	41,542	93,453	5,332	54,094	12	37	220	3,329	0
			Total	**248,918**	**466,921**	**99,650**	**541,842**	**155**	**242**	**3,943**	**17,809**	**82,925**
10	Chittaurgarh	77	Bari Sadri	32,205	57,002	5,690	57,019	13	26	0	427	0
		78	Begun	67,637	63,315	8,650	87,555	5	7	594	3,538	0
		79	Bhadesar	37,650	68,450	14,632	89,927	13	10	2,412	681	0
		80	Bhainsrorgarh	62,576	32,380	1,805	73,118	4	4	226	1,749	0
		81	Bhopalsagar	17,156	31,534	6,574	34,522	9	7	0	113	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		82	Chittaurgarh	66,401	87,209	10,033	113,785	17	33	937	1,862	41,463
		83	Dungla	30,530	62,798	13,877	61,920	21	28	0	931	0
		84	Gangrar	47,958	38,784	16,575	76,774	12	3	412	189	0
		85	Kapasan	34,313	63,070	13,148	69,047	17	15	0	226	0
		86	Nimbahera	55,018	72,700	11,954	67,885	15	34	169	4,574	0
		87	Rashmi	28,687	44,467	20,724	63,564	22	11	20	1,850	0
			Total	**480,129**	**621,710**	**123,661**	**795,115**	**146**	**179**	**4,770**	**16,140**	**41,463**
11	Churu	88	Churu	22,797	32,023	87,567	185,151	10	159	6,807	0	184,583
		89	Rajgarh	29,429	123,674	105,668	162,479	9	90	18,200	129	0
		90	Ratangarh	29,962	30,100	129,806	212,228	6	118	4,950	185	0
		91	Sardar Shahar	76,192	41,443	234,245	240,626	4	285	20,696	36	0
		92	Sujangarh	35,210	65,081	127,352	334,921	16	90	9,064	141	0
		93	Taranagar	24,745	47,717	79,013	118,423	6	133	14,037	351	0
			Total	**218,334**	**340,038**	**763,651**	**1,253,829**	**52**	**874**	**73,755**	**842**	**184,583**
12	Dausa	94	Bandikui	11,963	138,366	13,179	89,806	5	7	1,062	2,491	0
		95	Dausa	37,323	134,409	40,138	137,570	35	11	1,490	5,940	30,574
		96	Lalsot	61,059	133,719	18,812	168,666	5	25	3,097	6,500	0
		97	Mahwa	6,815	122,132	11,875	44,621	5	13	1,113	4,949	0
		98	Sikrai	12,424	139,069	18,420	75,725	10	10	1,479	5,880	0
			Total	**129,585**	**667,696**	**102,424**	**516,388**	**60**	**65**	**8,243**	**25,760**	**30,574**
13	Dhaulpur	99	Bari	11,119	110,909	4,161	47,861	2	10	157	1,209	0
		100	Baseri	34,038	125,972	1,908	68,750	0	1	113	5,029	0
		101	Dhaulpur	66,085	191,140	2,708	65,256	7	15	53	492	13,263
		102	Rajakhera	6,458	62,296	889	30,484	17	30	27	947	0
			Total	**117,700**	**490,318**	**9,667**	**212,351**	**26**	**56**	**350**	**7,677**	**13,263**
14	Dungarpur	103	Aspur	65,024	89,787	30,210	96,240	16	33	838	0	0
		104	Bichhiwara	92,350	60,312	54,886	142,151	9	108	583	0	0
		105	Dungarpur	47,833	30,997	27,647	71,074	5	54	292	0	344,661
		106	Sagwara	84,634	116,488	32,558	151,267	21	159	1,399	3,615	0
		107	Simalwara	102,366	86,322	35,775	133,187	5	66	286	0	0
			Total	**392,207**	**383,907**	**181,077**	**593,919**	**57**	**421**	**3,398**	**3,615**	**344,661**

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
15	Ganganagar	108	Anupgarh	104,038	82,406	115,403	125,727	9	141	3,531	504	0
		109	Ganganagar	77,077	61,411	37,364	39,138	33	16	1,427	351	191,708
		110	Ghadsana	45,835	39,955	69,397	80,051	4	68	2,398	334	0
		111	Karanpur	44,553	30,543	30,604	34,588	42	15	403	16	0
		112	Padampur	109,838	80,144	71,253	31,531	36	12	3,799	44	0
		113	Raisinghnagar	61,302	48,260	43,496	59,310	21	32	3,564	129	0
		114	Sadulshahar	42,483	42,115	41,632	31,904	33	24	5,233	415	0
		115	Suratgarh	108,196	67,860	232,117	161,192	3	323	14,911	621	0
			Total	**593,321**	**452,695**	**641,266**	**563,440**	**182**	**631**	**35,265**	**2,414**	**191,708**
16	Hanumangarh	116	Bhadra	32,650	120,395	75,134	57,900	2	204	24,242	193	0
		117	Hanumangarh	81,100	97,798	52,219	62,480	32	34	6,557	0	399,898
		118	Nohar	58,822	87,757	103,859	94,332	1	230	25,692	40	0
		119	Pilibanga	62,064	57,704	52,044	40,719	13	45	5,435	2,410	0
		120	Rawatsar	61,144	47,081	148,841	94,934	2	307	12,783	173	0
		121	Sangariya	41,511	46,245	25,442	24,076	42	12	6,406	0	0
		122	Tibi	49,405	65,850	24,280	33,280	61	17	2,861	81	0
			Total	**386,696**	**522,830**	**481,820**	**407,720**	**153**	**849**	**83,976**	**2,898**	**399,898**
17	Jaipur	123	Amber	102,211	184,038	20,238	142,799	13	1	1,111	2,704	0
		124	Bassi	55,858	90,828	8,222	86,132	17	1	1,580	4,953	0
		125	Chaksu	31,422	76,123	47,032	88,670	15	9	1,213	1,552	0
		126	Dudu	42,084	81,386	156,238	115,105	9	0	106	2,881	0
		127	Govindgarh	101,827	225,971	16,087	107,299	24	17	1,715	3,192	0
		128	Jamwa Ramgarh	43,587	117,682	26,080	234,769	15	7	1,622	7,157	0
		129	Jhotwara	34,339	76,988	5,468	29,817	2	9	525	822	772,295
		130	Kotputli	14,279	164,341	27,203	92,657	23	25	2,392	3,486	0
		131	Phagi	28,093	76,948	90,469	80,612	21	16	665	3,978	0
		132	Sambhar	97,529	163,110	140,895	242,126	9	15	3,229	7,226	0
		133	Sanganer	27,370	77,964	14,677	40,818	11	5	696	2,628	0
		134	Shahpura	18,737	120,705	12,901	117,409	10	13	1,438	7,673	0
		135	Viratnagar	10,443	58,288	9,902	91,763	1	18	957	1,298	0
			Total	**607,780**	**1,514,373**	**575,412**	**1,469,976**	**171**	**136**	**17,247**	**49,549**	**772,295**

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
18	Jaisalmer	136	Jaisalmer	128,923	1,424	1,079,092	724,708	47	1,099	33,233	629	40,860
		137	Sam	52,661	463	435,800	381,826	60	333	19,198	0	0
		138	Sankra	131,543	2,655	706,029	607,391	24	388	18,657	278	0
			Total	**313,127**	**4,542**	**2,220,920**	**1,713,925**	**131**	**1,819**	**71,089**	**907**	**40,860**
19	Jalore	139	Ahore	30,938	56,562	339,815	145,117	23	80	1,951	1,765	0
		140	Bhinmal	38,732	94,281	158,748	121,948	29	206	1,540	4	0
		141	Chitalwana	64,358	108,398	101,628	107,775	69	57	4,076	0	0
		142	Jalore	19,614	69,035	152,390	110,360	20	117	1,073	5,557	32,235
		143	Jaswantpura	18,517	83,243	81,029	93,434	34	36	1,283	153	0
		144	Raniwara	30,784	99,076	90,154	86,023	17	46	947	64	0
		145	Sanchore	44,723	75,326	70,624	74,893	48	40	2,833	0	0
		146	Sayla	14,327	88,193	76,723	80,113	43	38	1,070	2,571	0
			Total	**261,994**	**674,115**	**1,071,111**	**819,665**	**282**	**621**	**14,773**	**10,115**	**32,235**
20	Jhalawar	147	Bakani	57,693	70,103	1,663	78,089	8	46	73	1,257	0
		148	Dag	119,090	112,562	4,354	154,684	82	85	171	2,567	0
		149	Jhalrapatan	71,040	112,278	5,996	106,114	19	24	102	3,720	127,642
		150	Khanpur	37,850	66,418	5,971	71,644	5	18	120	7,971	0
		151	Manohar Thana	49,860	51,184	1,924	70,751	4	13	111	742	0
		152	Pirawa	58,425	82,935	3,962	82,107	49	27	36	1,515	0
			Total	**393,959**	**495,481**	**23,870**	**563,391**	**168**	**212**	**614**	**17,772**	**127,642**
21	Jhunjhunun	153	Alsisar	53,980	100,739	47,364	69,802	18	20	9,012	802	0
		154	Buhana	7,531	53,248	21,297	25,669	8	15	3,462	322	0
		155	Chirawa	23,134	43,174	20,298	29,915	8	8	3,861	343	0
		156	Jhunjhunun	57,718	90,186	65,299	251,770	20	52	6,792	60	34,242
		157	Khetri	9,050	77,957	57,062	136,722	8	17	3,455	605	0
		158	Nawalgarh	39,629	88,719	32,083	163,019	23	19	4,048	1,302	0
		159	Surajgarh	9,205	52,857	26,030	31,374	10	18	4,109	395	0
		160	Udaipurwati	24,732	92,149	47,008	183,656	18	59	5,032	3,489	0
			Total	**224,979**	**599,028**	**316,441**	**891,925**	**113**	**208**	**39,771**	**7,318**	**34,242**
22	Jodhpur	161	Balesar	46,644	18,980	144,146	265,048	6	68	3,496	153	0
		162	Bap	94,034	25,410	302,465	317,122	8	179	13,157	0	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		163	Bawari	38,056	32,288	179,833	137,188	5	53	1,904	286	0
		164	Bhopalgarh	49,233	97,925	210,476	215,043	7	88	3,117	193	0
		165	Bilara	40,751	69,086	140,606	116,865	21	73	1,390	52	0
		166	Luni	66,753	46,893	107,275	146,122	5	43	3,609	2,100	0
		167	Mandor	51,113	52,575	174,113	107,732	9	21	2,633	0	33,577
		168	Osian	76,089	64,577	18,867	274,378	10	105	3,819	576	0
		169	Phalodi	70,939	21,626	228,178	239,233	6	135	9,926	0	0
		170	Shergarh	50,531	20,561	156,160	287,134	7	73	3,121	169	0
			Total	**584,142**	**449,923**	**1,662,119**	**2,105,864**	**84**	**838**	**46,173**	**3,530**	**33,577**
23	Karauli	171	Hindaun	9,498	154,744	15,803	59,833	10	7	1,643	6,302	0
		172	Karauli	32,575	138,436	14,712	137,572	4	46	2,279	4,127	31,892
		173	Nadoti	12,581	67,524	17,590	75,340	15	69	561	5,622	0
		174	Sapotra	47,463	168,895	28,010	241,793	29	62	2,332	8,068	0
		175	Todabhim	7,244	119,263	16,445	60,270	11	14	1,018	6,726	0
			Total	**109,361**	**648,860**	**92,561**	**574,808**	**70**	**198**	**7,835**	**30,845**	**31,892**
24	Kota	176	Itawa	41,953	69,019	11,870	65,937	10	32	60	4,497	0
		177	Khairabad	32,733	49,558	1,903	54,761	4	6	1,175	2,982	0
		178	Ladpura	54,862	111,332	5,657	61,299	7	7	1,758	2,337	86,739
		179	Sangod	41,216	72,491	5,685	63,010	10	7	2,864	4,679	0
		180	Sultanpur	41,079	65,186	10,824	53,780	8	45	62	6,847	0
			Total	**211,844**	**367,587**	**35,939**	**298,786**	**39**	**97**	**5,920**	**21,343**	**86,739**
25	Nagaur	181	Degana	44,674	105,766	153,275	188,527	48	98	2,522	931	0
		182	Didwana	40,791	90,580	114,798	261,045	25	23	2,414	294	0
		183	Jayal	32,819	63,210	94,391	173,306	22	38	2,751	40	0
		184	Kuchaman City	50,832	122,635	219,174	224,777	17	57	4,471	1,374	0
		185	Ladnun	24,966	35,021	60,316	174,019	15	20	2,334	60	0
		186	Makrana	26,494	57,369	77,263	140,744	7	14	1,264	1,265	0
		187	Merta	29,130	65,028	116,422	109,223	19	17	814	617	0
		188	Mundwa	30,050	32,918	108,339	178,064	4	16	2,217	0	0
		189	Nagaur	47,693	79,817	178,250	326,315	8	29	4,165	0	51,016
		190	Parbatsar	28,800	64,341	129,720	195,431	15	41	1,649	3,055	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		191	Riyan	22,888	51,094	91,474	85,817	15	13	640	484	0
			Total	**379,136**	**767,778**	**1,343,423**	**2,057,266**	**195**	**367**	**25,242**	**8,120**	**51,016**
26	Pali	192	Bali	46,670	72,556	157,639	158,699	28	85	1,122	3,240	0
		193	Desuri	35,745	72,157	215,861	119,926	33	59	2,853	6,109	0
		194	Jaitaran	41,057	71,843	172,249	138,651	30	35	599	3,426	0
		195	Kharchi (Marwar Junction)	22,168	39,199	95,698	83,366	17	22	1,729	1,181	0
		196	Pali	33,663	42,780	259,705	102,848	21	66	2,022	1,257	0
		197	Raipur	32,263	51,730	105,605	132,352	4	68	1,075	2,728	127,066
		198	Rani Station	13,019	23,035	56,203	48,959	10	11	953	693	0
		199	Rohat	31,784	37,057	195,297	79,753	7	92	1,935	0	0
		200	Sojat	39,548	59,155	170,052	123,688	22	27	1,740	2,084	0
		201	Sumerpur	18,482	34,043	125,060	56,322	21	13	1,080	1,161	0
			Total	**314,399**	**503,556**	**1,553,370**	**1,044,564**	**193**	**476**	**15,110**	**21,879**	**127,066**
27	Pratapgarh	202	Arnod	48,089	34,597	440	47,673	8	18	20	790	0
		203	Chhoti Sadri	52,887	54,866	6,065	63,268	6	16	0	496	0
		204	Dhariawad	131,916	105,235	64,469	170,756	4	63	550	149	0
		205	Peepalkhoont	69,208	41,598	2,604	85,670	2	26	264	0	0
		206	Pratapgarh	118,311	87,906	6,525	107,444	10	18	244	8	41,463
			Total	**420,410**	**324,201**	**80,102**	**474,811**	**31**	**142**	**1,079**	**1,443**	**41,463**
28	Rajsamand	207	Amet	27,302	44,397	30,732	90,294	20	10	419	1,084	0
		208	Bhim	33,190	29,791	62,249	177,445	4	5	237	637	0
		209	Deogarh	26,500	31,252	63,442	129,395	20	10	561	1,576	0
		210	Khamnor	57,826	64,880	16,268	140,867	29	152	2,099	435	0
		211	Kumbhalgarh	34,402	82,333	6,845	91,107	17	69	709	733	0
		212	Railmagra	48,645	58,033	19,381	53,828	22	4	0	97	0
		213	Rajsamand	41,854	55,028	14,429	85,353	27	20	510	782	49,020
			Total	**269,719**	**365,714**	**213,346**	**768,289**	**139**	**270**	**4,535**	**5,344**	**49,020**
29	Sawai madhopur	214	Bamanwas	18,371	68,855	16,144	92,289	11	30	884	6,654	0
		215	Bonli	16,070	41,310	37,969	73,063	13	18	882	4,199	0
		216	Gangapur	8,939	97,832	14,075	53,520	13	16	1,478	6,307	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		217	Khandar	25,567	89,458	27,293	234,550	18	31	1,727	8,399	0
		218	Sawai Madhopur	36,620	111,825	38,844	156,333	16	55	1,973	10,405	57,989
			Total	**105,566**	**409,281**	**134,325**	**609,754**	**71**	**150**	**6,944**	**35,963**	**57,989**
30	Sikar	219	Danta Ramgarh	35,947	90,443	86,304	155,762	12	15	2,545	3,301	0
		220	Dhond	28,958	71,062	67,809	122,384	9	12	1,999	2,595	0
		221	Fatehpur	16,051	61,834	57,326	175,191	5	35	2,833	0	0
		222	Khandela	25,706	150,368	32,831	187,388	15	20	3,529	4,179	0
		223	Lachhmangarh	41,798	85,599	90,566	242,363	22	10	4,672	64	0
		224	Neem Ka Thana	15,678	129,723	47,659	282,562	22	48	2,964	5,424	0
		225	Piprali	110,092	164,598	126,550	321,975	38	20	6,628	141	394,990
		226	Srimadhopur	19,392	113,435	24,766	141,362	12	15	2,664	3,155	0
			Total	**293,621**	**867,062**	**533,811**	**1,628,989**	**135**	**175**	**27,835**	**18,860**	**394,990**
31	Sirohi	227	Abu Road	34,954	31,465	13,324	100,289	2	4	67	0	0
		228	Pindwara	50,595	49,109	56,932	130,025	8	17	2,549	0	0
		229	Reodar	41,965	113,689	83,004	92,928	16	67	3,885	0	0
		230	Sheoganj	20,226	36,144	130,484	116,608	6	75	942	0	99,400
		231	Sirohi	34,878	39,790	138,143	76,286	19	84	3,112	0	0
			Total	**182,618**	**270,197**	**421,887**	**516,135**	**51**	**247**	**10,555**	**0**	**99,400**
32	Tonk	232	Deoli	39,555	82,385	59,723	91,615	24	4	333	6,545	0
		233	Malpura	44,750	83,153	108,180	101,015	31	9	200	6,214	0
		234	Niwai	54,105	125,996	150,710	172,009	44	10	1,193	6,412	0
		235	Todaraisingh	29,647	64,260	51,599	64,833	15	0	138	1,346	0
		236	Tonk	18,239	66,776	24,730	54,073	24	4	211	1,378	134,834
		237	Uniara	25,221	74,031	28,464	78,589	14	28	343	3,792	0
			Total	**211,517**	**496,601**	**423,407**	**562,134**	**153**	**54**	**2,420**	**25,687**	**134,834**
33	Udaipur	238	Bargaon	78,178	164,163	24,693	129,248	8	9	359	157	0
		239	Bhindar	53,977	49,406	4,998	89,989	3	13	583	407	0
		240	Girwa	68,698	62,881	6,363	114,533	4	17	743	520	996,986
		241	Gogunda	20,255	14,253	12,823	38,008	4	18	175	20	0
		242	Jhadol	43,014	29,409	17,669	80,713	5	39	357	44	0
		243	Kherwara	65,973	58,072	27,731	128,352	0	24	279	0	0

S.No.	District	S.No.	Block	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pig	Poultry
		244	Kotra	34,489	23,580	9,433	64,716	6	31	299	36	0
		245	Lasadiya	31,717	33,845	17,362	90,609	10	19	226	0	0
		246	Mavli	62,271	92,343	13,032	106,004	12	11	2,540	153	0
		247	Rishabhdeo	53,761	47,319	22,595	104,596	2	19	244	0	0
		248	Salumbar	64,397	68,716	35,252	183,962	21	39	676	0	0
		249	Sarada	71,563	73,386	17,982	127,459	4	28	944	250	0
			Total	**648,292**	**717,373**	**209,933**	**1,258,188**	**80**	**267**	**7,425**	**1,588**	**996,986**

3. Projected Water Demands

The projected water demands for livestock for the year 2010, 2020, 2040 and 2060 have been worked out district wise and blockwise and given in the following tables.

Table B-5.6 Water Demand for the Livestock in the year 2010

S.No	District	S.No		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
1	Ajmer	1	Arain	765182	791823	108732	98845	460	1329	380	13324	0	1780074	8900	1788975	1.79
		2	Bhinay	1599348	1052896	224466	151502	1149	2597	7183	8807	0	3047947	15240	3063187	3.06
		3	Jawaja	664958	501606	90047	215052	585	664	3953	8549	0	1485414	7427	1492842	1.49
		4	Kekri	1499466	1284204	198640	155138	2821	5193	1824	17513	0	3164800	15824	3180624	3.18
		5	Kishangarh	1701506	1620888	271291	263373	1379	8374	27099	25133	0	3919043	19595	3938638	3.94
		6	Masooda	1144940	883222	225126	164199	627	2697	12580	20544	0	2453935	12270	2466205	2.47
		7	Peesangan	667506	901544	139992	109961	585	1429	11364	46978	0	1879360	9397	1888756	1.89
		8	Srinagar	719381	769389	56694	176935	1776	1912	14177	14582	168390	1923237	9616	1932853	1.93
			Sub Total	**8762288**	**7805574**	**1314987**	**1335003**	**9381**	**24196**	**78561**	**155430**	**168390**	**19653810**	**98269**	**19752079**	**19.75**
2	Alwar	9	Bansure	299101	1864980	24829	86919	1233	4066	51462	6448	0	2339038	11695	2350733	2.35
		10	Behror	268955	1574912	20794	44582	2173	3865	77307	7105	0	1999693	9998	2009691	2.01
		11	Kathumar	205476	1798423	35513	31001	2340	845	24021	24661	0	2122280	10611	2132891	2.13
		12	Kishangarh Bas	230663	1044821	11578	78351	585	1993	21626	586	0	1390202	6951	1397153	1.40
		13	Kotkasim	262789	1116555	10150	13328	1337	1067	19308	1172	0	1425706	7129	1432834	1.43
		14	Lachhmangarh	281264	2262554	26270	70933	1588	423	29608	21259	0	2693897	13469	2707367	2.71
		15	Mandawar	206363	1668484	17475	46237	1588	3221	48003	3417	0	1994788	9974	2004761	2.00
		16	Nimrana	208206	1140587	14335	34437	501	644	18092	400	0	1417202	7086	1424288	1.42
		17	Rajgarh	626757	2335715	21333	239010	648	2013	44089	28006	0	3297572	16488	3314060	3.31
		18	Ramgarh	335596	1542677	27730	97018	648	483	20296	9650	0	2034098	10170	2044268	2.04
		19	Reni	207524	1066254	9471	21860	167	342	14557	529	0	1320704	6604	1327308	1.33
		20	Thanagazi	403102	1336274	12877	191845	961	2838	17217	11466	0	1976581	9883	1986464	1.99
		21	Tijara	662979	1879915	13385	74831	1045	1932	30216	6390	0	2670693	13353	2684047	2.68
		22	Umren	361488	1787110	14290	213381	1859	8656	30406	17856	31061	2466107	12331	2478438	2.48
			Sub Total	**4560261**	**22419262**	**260031**	**1243731**	**16672**	**32388**	**446207**	**138946**	**31061**	**29148560**	**145743**	**29294302**	**29.28**
3	Banswara	23	Anandpuri	622252	492999	6817	36193	334	5193	6157	0	0	1169946	5850	1175796	1.18
		24	Bagidora	1717979	678182	813	103085	209	4751	3117	929	0	2509064	12545	2521610	2.52
		25	Banswara	2010368	730742	1731	105651	292	4972	5169	14	35088	2894028	14470	2908498	2.91
		26	Chhoti Sarvan	1005173	365360	863	52824	146	2476	2585	0	0	1429426	7147	1436573	1.44
		27	Garhi	1244549	997502	13638	72389	669	10367	12314	0	0	2351428	11757	2363185	2.36
		28	Ghatol	2094188	720217	4913	121353	292	3583	7107	0	0	2951654	14758	2966413	2.97
		29	Kushalgarh	2983096	673474	2370	132200	167	6160	38	129	0	3797634	18988	3816622	3.82

S.No	District	S.No		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		30	Sajjangarh	1405590	554869	663	84340	167	2758	2508	758	0	2051653	10258	2061911	2.06
			Sub Total	**13083195**	**5213346**	**31807**	**708036**	**2277**	**40259**	**38996**	**1830**	**35088**	**19154833**	**95774**	**19250608**	**19.26**
4	Baran	31	Antah	1255653	986424	7291	77720	648	2476	0	34654	0	2364865	11824	2376689	2.38
		32	Atru	857374	818604	3375	70397	543	9541	4219	17470	0	1781523	8908	1790431	1.79
		33	Baran	644435	563050	4190	55266	564	624	21322	7892	5407	1302749	6514	1309263	1.31
		34	Chhabra	878852	782343	892	56472	313	2637	4485	4432	0	1730426	8652	1739078	1.74
		35	Chhipabarod	1411233	945028	1368	82334	481	5616	342	4861	0	2451262	12256	2463518	2.46
		36	Kishanganj	1449980	820202	14003	57614	543	1510	38	18900	0	2362789	11814	2374603	2.37
		37	Shahbad	1447045	562496	174	43831	0	1691	38	20429	0	2075703	10379	2086082	2.09
			Sub Total	**7944571**	**5478146**	**31291**	**443634**	**3092**	**24095**	**30444**	**108638**	**5407**	**14069318**	**70347**	**14139664**	**14.14**
5	Barmer	38	Balotra	2095098	662736	408645	444624	1859	32831	177419	5475	0	3828688	19143	3847831	3.85
		39	Barmer	1525267	111404	318950	469692	3823	53303	250507	0	1451	2734398	13672	2748070	2.75
		40	Baytoo	1766600	77060	530154	562600	815	26047	222800	2245	0	3188322	15942	3204263	3.20
		41	Chohtan	2369376	589021	617353	767698	7542	104552	595463	1816	0	5052821	25264	5078085	5.08
		42	Dhorimanna	2212022	1285547	556159	553938	2236	34240	319377	11652	0	4975169	24876	5000045	5.00
		43	Sheo	2502432	47212	771829	698890	8817	83537	410138	0	0	4522855	22614	4545470	4.55
		44	Sindhari	763953	35239	135897	196179	8127	68963	188745	0	0	1397103	6986	1404089	1.40
		45	Siwana	1105579	976581	265000	218274	2444	16728	67007	31166	0	2682778	13414	2696191	2.70
			Sub Total	**14340327**	**3784800**	**3603986**	**3911896**	**35664**	**420201**	**2231455**	**52353**	**1451**	**28382134**	**141911**	**28524044**	**28.53**
6	Bharatpur	46	Bayana	363195	609537	27496	86249	564	3543	35613	21487	0	1147684	5738	1153422	1.15
		47	Deeg	353707	1358048	19603	31853	292	3764	3839	24561	0	1795667	8978	1804645	1.80
		48	Kaman	220037	1128805	15710	24421	209	866	4105	21073	0	1415226	7076	1422302	1.42
		49	Kumher	329885	1413633	16739	19966	731	2194	2166	16827	0	1802141	9011	1811152	1.81
		50	Nadbai	211824	1222292	14227	20466	669	2456	19574	17313	0	1508819	7544	1516363	1.52
		51	Nagar Pahari	539365	2852874	65547	71310	1212	2999	13645	31109	0	3578061	17890	3595951	3.60
		52	Rupbas	284654	311799	13380	39406	877	3402	8742	25462	0	687721	3439	691160	0.69
		53	Sewar	357962	464855	10066	18869	1337	4106	4865	19457	8673	890190	4451	894641	0.89
		54	Weir	217375	1124054	25823	56005	2047	1872	43252	19414	0	1489844	7449	1497293	1.50
			Sub Total	**2878004**	**10485898**	**208590**	**368544**	**7939**	**25202**	**135801**	**196703**	**8673**	**14315353**	**71577**	**14386930**	**14.38**
7	Bhilwara	55	Asind	1849669	781597	204692	163718	1442	3563	35955	19929	0	3060565	15303	3075868	3.08
		56	Banera	1011111	521995	76562	70319	460	765	7754	3245	0	1692211	8461	1700672	1.70
		57	Hurda	1021577	449963	81394	61379	460	2818	4409	5132	0	1627132	8136	1635268	1.64
		58	Jahazpur	1765963	842189	132196	190867	1859	7005	7297	8478	0	2955854	14779	2970633	2.97
		59	Kotri	870457	368471	8119	38202	439	342	1140	18914	0	1306084	6530	1312615	1.31
		60	Mandal	1118729	735088	149450	136911	2340	1993	18548	4632	0	2167690	10838	2178529	2.18
		61	Mandalgarh	1728149	853480	90550	173919	7521	3543	25845	0	0	2883007	14415	2897422	2.90
		62	Raipur	593470	367533	74724	68445	1149	886	9236	2302	0	1117744	5589	1123333	1.12
		63	Sahara	1118547	686704	65847	97280	1755	745	1330	586	0	1972795	9864	1982658	1.98

S.No	District	S.No		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		64	Shahpura	1773654	624153	173127	104037	2110	3603	26301	8535	0	2715519	13578	2729097	2.73
		65	Suwana	1668402	906189	75618	111866	2027	3825	16077	6948	13626	2804576	14023	2818599	2.82
			Sub Total	**14519728**	**7137362**	**1132278**	**1216942**	**21561**	**29087**	**153892**	**78701**	**13626**	**24303179**	**121516**	**24424694**	**24.43**
8	Bikaner	66	Bikaner	2985258	431342	531511	363502	20328	48834	386840	0	1993	4769609	23848	4793457	4.79
		67	Dungargarh	1407069	601932	200484	169285	251	19727	224700	0	0	2623446	13117	2636563	2.64
		68	Khajuwala	1283524	314271	201772	126620	0	26088	116531	0	0	2068806	10344	2079150	2.08
		69	Kolayat	3039727	228646	488718	356575	63	27054	332945	2545	0	4476272	22381	4498654	4.50
		70	Lunkaransar	3390499	375097	440062	209316	251	56060	469810	915	0	4942009	24710	4966719	4.97
		71	Nokha	1918062	1071601	235215	322247	146	14976	325686	0	0	3887934	19440	3907374	3.91
			Sub Total	**14024138**	**3022888**	**2097763**	**1547544**	**21039**	**192739**	**1856512**	**3460**	**1993**	**22768077**	**113840**	**22881917**	**22.89**
9	Bundi	72	Bundi	1101688	1385744	8427	73807	1922	4529	7639	13367	3973	2601097	13005	2614103	2.61
		73	Hindoli	1797407	1575871	65923	212121	5787	5455	32230	13053	0	3707847	18539	3726386	3.73
		74	Keshorai Patan	1208055	1305659	21528	133322	1379	7528	32648	10594	0	2720713	13604	2734316	2.73
		75	Nainwa	1026992	1023132	49705	146038	7856	5817	5131	14354	0	2279026	11395	2290421	2.29
		76	Talera	1028471	1323811	8230	62694	1358	4247	4599	11809	0	2445219	12226	2457445	2.46
			Sub Total	**6162613**	**6614217**	**153814**	**627983**	**18302**	**27577**	**82248**	**63175**	**3973**	**13753902**	**68770**	**13822671**	**13.82**
10	Chittaurgarh	77	Bari Sadri	797308	807461	8782	66084	1483	2999	0	1515	0	1685634	8428	1694062	1.69
		78	Begun	1674522	896900	13351	101474	606	825	12390	12552	0	2712621	13563	2726184	2.73
		79	Bhadesar	932115	969635	22585	104223	1525	1188	50322	2416	0	2084010	10420	2094430	2.09
		80	Bhainsrorgarh	1549225	458676	2785	84742	481	463	4713	6205	0	2107290	10536	2117827	2.12
		81	Bhopalsagar	424739	446703	10147	40010	1024	845	0	400	0	923869	4619	928488	0.93
		82	Chittaurgarh	1643943	1235373	15487	131874	2027	3704	19536	6605	1987	3060535	15303	3075837	3.08
		83	Dungla	755853	889571	21420	71764	2424	3160	0	3302	0	1747495	8737	1756232	1.76
		84	Gangrar	1187327	549393	25584	88979	1421	362	8590	672	0	1862329	9312	1871640	1.87
		85	Kapasan	849502	893427	20295	80023	2027	1671	0	801	0	1847745	9239	1856984	1.86
		86	Nimbahera	1362110	1029844	18451	78677	1713	3825	3535	16226	0	2514380	12572	2526952	2.53
		87	Rashmi	710212	629905	31988	73669	2549	1288	418	6562	0	1456592	7283	1463875	1.46
			Sub Total	**11886858**	**8806890**	**190876**	**921520**	**17278**	**20331**	**99504**	**57257**	**1987**	**22002499**	**110012**	**22112511**	**22.12**
11	Churu	88	Churu	564393	453627	135163	214586	1149	18056	141996	0	8844	1537813	7689	1545502	1.55
		89	Rajgarh	728596	1751914	163103	188310	1107	10185	379656	457	0	3223330	16117	3239447	3.24
		90	Ratangarh	741792	426378	200360	245968	731	13406	103266	658	0	1732559	8663	1741222	1.74
		91	Sardar Shahar	1886323	587061	361567	278880	501	32449	431727	129	0	3578636	17893	3596529	3.60
		92	Sujangarh	871708	921912	196573	388166	1859	10206	189087	500	0	2580011	12900	2592911	2.59
		93	Taranagar	612628	675945	121959	137249	731	15137	292809	1244	0	1857703	9289	1866992	1.87
			Sub Total	**5405440**	**4816837**	**1178725**	**1453158**	**6080**	**99439**	**1538542**	**2988**	**8844**	**14510053**	**72550**	**14582603**	**14.59**
12	Dausa	94	Bandikui	296166	1960043	20342	104083	585	785	22158	8835	0	2412998	12065	2425063	2.43
		95	Dausa	924038	1903990	61954	159441	4116	1248	31090	21073	1465	3108414	15542	3123956	3.12
		96	Lalsot	1511684	1894211	29037	195479	543	2798	64613	23060	0	3721425	18607	3740032	3.74

S.No	District	S.No		Live Stock											Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		97	Mahwa	168731	1730077	18330	51714	627	1429	23223	17556	0	2011686	10058	2021745	2.02
		98	Sikrai	307588	1969993	28432	87764	1212	1147	30862	20858	0	2447856	12239	2460096	2.46
			Sub Total	**3208207**	**9458313**	**158095**	**598481**	**7083**	**7408**	**171946**	**91382**	**1465**	**13702380**	**68512**	**13770892**	**13.77**
13	Dhaulpur	99	Bari	275280	1571098	6423	55469	230	1107	3269	4289	0	1917165	9586	1926751	1.93
		100	Baseri	842699	1784468	2946	79680	42	81	2356	17842	0	2730113	13651	2743764	2.74
		101	Dhaulpur	1636116	2707616	4179	75630	815	1731	1102	1744	635	4429570	22148	4451718	4.45
		102	Rajakhera	159880	882455	1373	35330	1964	3402	570	3360	0	1088334	5442	1093775	1.09
			Sub Total	**2913975**	**6945638**	**14921**	**246109**	**3050**	**6321**	**7297**	**27234**	**635**	**10165182**	**50826**	**10216008**	**10.21**
14	Dungarpur	103	Aspur	1609837	1271890	46631	111540	1943	3804	17483	0	0	3063129	15316	3078444	3.08
		104	Bichhiwara	2286376	854354	84718	164750	1107	12259	12162	0	0	3415727	17079	3432805	3.43
		105	Dungarpur	1184233	439097	42675	82373	543	6119	6081	0	16513	1777635	8888	1786523	1.79
		106	Sagwara	2095348	1650119	50255	175315	2486	18137	29190	12824	0	4033673	20168	4053841	4.05
		107	Simalwara	2534330	1222803	55221	154360	606	7508	5967	0	0	3980796	19904	4000700	4.00
			Sub Total	**9710125**	**5438263**	**279500**	**688338**	**6686**	**47827**	**70884**	**12824**	**16513**	**16270960**	**81355**	**16352314**	**16.35**
15	Ganganagar	108	Anupgarh	2575740	1167325	178130	145714	1107	16023	73658	1787	0	4159484	20797	4180282	4.18
		109	Ganganagar	1908233	869928	57672	45360	3886	1812	29760	1244	9185	2927079	14635	2941715	2.94
		110	Ghadsana	1134770	565990	107117	92777	481	7730	50018	1187	0	1960068	9800	1969869	1.97
		111	Karanpur	1103030	432663	47238	40086	4931	1671	8400	57	0	1638076	8190	1646266	1.65
		112	Padampur	2719329	1135282	109981	36544	4262	1349	79246	157	0	4086150	20431	4106581	4.11
		113	Raisinghnagar	1517691	683636	67138	68739	2486	3684	74343	457	0	2418174	12091	2430265	2.43
		114	Sadulshahar	1051769	596584	64261	36976	3949	2697	109157	1473	0	1866866	9334	1876201	1.88
		115	Suratgarh	2678671	961284	358282	186817	334	36776	311053	2202	0	4535419	22677	4558096	4.56
			Sub Total	**14689233**	**6412692**	**989819**	**653013**	**21436**	**71741**	**735634**	**8563**	**9185**	**23591317**	**117957**	**23709274**	**23.72**
16	Hanumangarh	116	Bhadra	808343	1705469	115973	67105	292	23169	505689	686	0	3226727	16134	3242860	3.24
		117	Hanumangarh	2007843	1385361	80602	72412	3782	3825	136789	0	19160	3709773	18549	3728322	3.73
		118	Nohar	1456282	1243128	160310	109328	146	26108	535943	143	0	3531389	17657	3549046	3.55
		119	Pilibanga	1536552	817411	80331	47192	1483	5173	113376	8549	0	2610068	13050	2623119	2.62
		120	Rawatsar	1513777	666933	229742	110026	292	34965	266660	615	0	2823011	14115	2837126	2.84
		121	Sangariya	1027720	655088	39271	27903	4952	1409	133634	0	0	1889977	9450	1899427	1.90
		122	Tibi	1223162	932799	37478	38571	7166	1892	59672	286	0	2301026	11505	2312531	2.31
			Sub Total	**9573680**	**7406189**	**743707**	**472538**	**18114**	**96541**	**1751763**	**10279**	**19160**	**20091971**	**100460**	**20192431**	**20.19**
17	Jaipur	123	Amber	2530508	2607014	31239	165501	1483	101	23185	9593	0	5368623	26843	5395466	5.40
		124	Bassi	1382906	1286633	12691	99825	1964	161	32952	17570	0	2834702	14174	2848876	2.85
		125	Chaksu	777946	1078334	72596	102766	1755	986	25313	5504	0	2065200	10326	2075526	2.08
		126	Dudu	1041895	1152880	241159	133404	1066	0	2204	10222	0	2582830	12914	2595744	2.60
		127	Govindgarh	2520998	3201020	24832	124357	2883	1973	35765	11323	0	5923150	29616	5952765	5.95
		128	Jamwa Ramgarh	1079118	1667035	40255	272091	1818	765	33827	25390	0	3120299	15601	3135900	3.14
		129	Jhotwara	850162	1090584	8440	34557	292	1006	10946	2916	37002	2035907	10180	2046086	2.05

S.No	District	S.No		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		130	Kotputli	353525	2327982	41988	107388	2758	2858	49904	12366	0	2898769	14494	2913263	2.91
		131	Phagi	695514	1090009	139642	93427	2528	1832	13873	14110	0	2050936	10255	2061190	2.06
		132	Sambhar	2414585	2310554	217477	280619	1045	1751	67349	25633	0	5319014	26595	5345609	5.35
		133	Sanganer	677608	1104411	22654	47307	1274	523	14519	9321	0	1877618	9388	1887007	1.89
		134	Shahpura	463896	1709858	19913	136074	1212	1469	29988	27220	0	2389631	11948	2401579	2.40
		135	Viratnagar	258534	825677	15284	106351	104	1993	19954	4603	0	1232501	6163	1238664	1.24
			Sub Total	**15047194**	**21451991**	**888170**	**1703668**	**20182**	**15419**	**359779**	**175773**	**37002**	**39699178**	**198496**	**39897674**	**39.92**
18	Jaisalmer	136	Jaisalmer	3191826	20176	1665620	839919	5557	124963	693256	2230	1958	6545506	32728	6578233	6.58
		137	Sam	1303774	6562	672674	442528	7083	37863	400485	0	0	2870968	14355	2885323	2.89
		138	Sankra	3256692	37603	1089782	703951	2862	44083	389196	986	0	5525158	27626	5552784	5.55
			Sub Total	**7752292**	**64341**	**3428077**	**1986399**	**15502**	**206910**	**1482937**	**3217**	**1958**	**14941631**	**74708**	**15016340**	**15.02**
19	Jalore	139	Ahore	765955	801240	524518	168188	2737	9119	40706	6262	0	2318724	11594	2330318	2.33
		140	Bhinmal	958917	1335550	245034	141335	3405	23410	32116	14	0	2739783	13699	2753482	2.75
		141	Chitalwana	1593365	1535519	156867	124908	8106	6522	85023	0	0	3510310	17552	3527861	3.53
		142	Jalore	485602	977923	235221	127905	2319	13326	22386	19715	1544	1885940	9430	1895370	1.90
		143	Jaswantpura	458436	1179192	125071	108288	3990	4147	26757	543	0	1906424	9532	1915956	1.92
		144	Raniwara	762133	1403470	139155	99699	2027	5274	19764	229	0	2431750	12159	2443909	2.44
		145	Sanchore	1107239	1067042	109011	86800	5620	4529	59102	0	0	2439343	12197	2451540	2.45
		146	Sayla	354708	1249307	118424	92850	5077	4328	22310	9121	0	1856125	9281	1865406	1.87
			Sub Total	**6486355**	**9549243**	**1653301**	**949972**	**33282**	**70654**	**308164**	**35884**	**1544**	**19088400**	**95442**	**19183842**	**19.19**
20	Jhalawar	147	Bakani	1428342	993050	2567	90503	1003	5193	1520	4460	0	2526639	12633	2539273	2.54
		148	Dag	2948399	1594513	6720	179276	9673	9723	3573	9107	0	4760982	23805	4784787	4.78
		149	Jhalrapatan	1758774	1590486	9256	122984	2277	2677	2128	13196	6115	3507893	17539	3525432	3.53
		150	Khanpur	937075	940852	9216	83034	627	2013	2508	28278	0	2003604	10018	2013622	2.01
		151	Manohar Thana	1234425	725053	2969	81999	460	1469	2318	2631	0	2051325	10257	2061582	2.06
		152	Pirawa	1446476	1174824	6115	95160	5829	3040	760	5375	0	2737580	13688	2751268	2.75
			Sub Total	**9753491**	**7018778**	**36844**	**652956**	**19869**	**24115**	**12809**	**63047**	**6115**	**17588024**	**87940**	**17675964**	**17.67**
21	Jhunjhunun	153	Alsisar	1336423	1427034	73109	80899	2089	2275	187985	2845	0	3112658	15563	3128221	3.13
		154	Buhana	186455	612627	32872	29750	1003	1711	72214	1144	0	937775	4689	942464	0.94
		155	Chirawa	572743	611583	31331	34671	898	966	80538	1215	0	1333945	6670	1340615	1.34
		156	Jhunjhunun	1428957	1277536	100792	291795	2340	5898	141692	214	1641	3250864	16254	3267118	3.27
		157	Khetri	224064	1104305	88077	158457	919	1932	72062	2144	0	1651962	8260	1660221	1.66
		158	Nawalgarh	981124	1256764	49521	195889	2737	2114	84453	4618	0	2577218	12886	2590104	2.59
		159	Surajgarh	227887	748745	40179	36361	1233	2073	85707	1401	0	1143585	5718	1149303	1.15
		160	Udaipurwati	612309	1305339	72559	212853	2089	6683	104977	15926	0	2332735	11664	2344399	2.34
			Sub Total	**5569962**	**8343931**	**488439**	**1040674**	**13309**	**23652**	**829627**	**29508**	**1641**	**16340742**	**81704**	**16422445**	**16.42**
22	Jodhpur	161	Balesar	1154792	268870	222496	307184	752	7710	72936	543	0	2035282	10176	2045459	2.05
		162	Bap	2328058	218292	466867	367537	982	20311	274452	0	0	3676498	18382	3694880	3.69

S.No	District	S.No		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		163	Bawari	942172	457377	277580	158998	564	5978	39718	1015	0	1883401	9417	1892818	1.89
		164	Bhopalgarh	1218885	1387172	324878	249230	773	10004	65031	686	0	3256659	16283	3272943	3.27
		165	Bilara	1008904	978647	217030	135443	2424	8354	29000	186	0	2379988	11900	2391888	2.39
		166	Luni	1652657	664270	165584	169352	585	4912	75293	7448	0	2740100	13701	2753801	2.75
		167	Mandor	1265436	744761	268750	124859	1086	2355	54921	0	1609	2463777	12319	2476095	2.48
		168	Osian	1883775	914775	29121	317997	1128	11957	79664	2044	0	3240461	16202	3256663	3.26
		169	Phalodi	1756271	164688	352201	277266	731	15318	207065	0	0	2773540	13868	2787408	2.79
		170	Shergarh	1251034	291261	241039	332782	836	8354	65107	600	0	2191012	10955	2201967	2.20
			Sub Total	**14461983**	**6090112**	**2565545**	**2440647**	**9861**	**95252**	**963185**	**12524**	**1609**	**26640718**	**133204**	**26773922**	**26.77**
23	Karauli	171	Hindaun	235145	2192034	24392	69345	1212	785	34283	25905	0	2583100	12916	2596016	2.60
		172	Karauli	806477	1961023	22709	159442	501	5274	47547	14639	1528	3019142	15096	3034238	3.03
		173	Nadoti	311479	956512	27151	87317	1776	7891	11706	19943	0	1423775	7119	1430894	1.43
		174	Sapotra	1175064	2392493	43235	280232	3426	7005	48650	28621	0	3978727	19894	3998620	4.00
		175	Todabhim	179356	1689427	25384	69852	1295	1590	21246	23861	0	2012011	10060	2022071	2.02
			Sub Total	**2707521**	**9191489**	**142872**	**666189**	**8211**	**22545**	**163432**	**112970**	**1528**	**13016755**	**65084**	**13081839**	**13.08**
24	Kota	176	Itawa	1038664	977689	18322	76419	1128	3664	1254	15955	0	2133094	10665	2143760	2.14
		177	Khairabad	810391	702023	2938	63467	501	664	24515	10579	0	1615078	8075	1623153	1.62
		178	Ladpura	1358265	1577085	8732	71044	794	825	36677	8292	4156	3065871	15329	3081200	3.08
		179	Sangod	1020417	1026882	8774	73027	1191	785	59748	16598	0	2207422	11037	2218459	2.22
		180	Sultanpur	1017027	923403	16707	62329	940	5113	1292	24289	0	2051101	10256	2061357	2.06
			Sub Total	**5244763**	**5207082**	**55473**	**346286**	**4555**	**11051**	**123486**	**75713**	**4156**	**11072566**	**55363**	**11127929**	**11.12**
25	Nagaur	181	Degana	1106011	1498235	236586	218499	5641	11091	52602	3302	0	3131967	15660	3147627	3.15
		182	Didwana	1009882	1283118	177196	302545	3009	2657	50360	1044	0	2829810	14149	2843959	2.84
		183	Jayal	812529	895409	145697	200858	2591	4308	57391	143	0	2118925	10595	2129519	2.13
		184	Kuchaman City	1258474	1737192	338303	260511	2027	6522	93270	4875	0	3701174	18506	3719680	3.72
		185	Ladnun	618088	496088	93101	201683	1734	2315	48688	214	0	1461912	7310	1469221	1.47
		186	Makrana	655925	812660	119258	163120	794	1550	26377	4489	0	1784173	8921	1793094	1.79
		187	Merta	721202	921166	179702	126586	2256	1912	16989	2187	0	1972002	9860	1981862	1.98
		188	Mundwa	743977	466304	167225	206372	481	1832	46255	0	0	1632445	8162	1640607	1.64
		189	Nagaur	1180775	1130659	275136	378191	919	3341	86885	0	2444	3058351	15292	3073643	3.07
		190	Parbatsar	713011	911430	200228	226500	1818	4710	34397	10837	0	2102930	10515	2113445	2.11
		191	Riyan	566645	723775	141194	99459	1776	1510	13341	1716	0	1549416	7747	1557163	1.56
			Sub Total	**9386519**	**10876036**	**2073626**	**2384323**	**23045**	**41748**	**526555**	**28807**	**2444**	**25343104**	**126716**	**25469820**	**25.46**
26	Pali	192	Bali	1155452	1027798	243322	183929	3301	9622	23413	11494	0	2658330	13292	2671622	2.67
		193	Desuri	884950	1022152	333190	138991	3886	6663	59520	21673	0	2471025	12355	2483380	2.48
		194	Jaitaran	1016481	1017700	265873	160694	3573	3925	12504	12152	0	2492901	12465	2505365	2.51
		195	Kharchi (Marwar Junction)	548830	555274	147714	96619	1964	2496	36069	4189	0	1393155	6966	1400120	1.40

S.No	District	S.No		Live Stock											Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		196	Pali	833416	606001	400865	119199	2528	7468	42188	4460	0	2016125	10081	2026205	2.03
		197	Raipur	798764	732787	163006	153393	418	7770	22424	9679	6088	1894329	9472	1903800	1.90
		198	Rani Station	322309	326308	86752	56742	1149	1208	19878	2459	0	816804	4084	820888	0.82
		199	Rohat	786887	524935	301449	92431	857	10407	40364	0	0	1757330	8787	1766117	1.77
		200	Sojat	979121	837970	262482	143352	2612	3100	36297	7391	0	2272326	11362	2283688	2.28
		201	Sumerpur	457571	482240	193035	65276	2486	1449	22538	4117	0	1228713	6144	1234857	1.23
			Sub Total	**7783781**	**7133165**	**2397686**	**1210625**	**22773**	**54108**	**315196**	**77615**	**6088**	**19001036**	**95005**	**19096042**	**19.09**
27	Pratapgarh	202	Arnod	1190558	490080	679	55252	982	2093	418	2802	0	1742864	8714	1751578	1.75
		203	Chhoti Sadri	1309348	777208	9361	73327	710	1872	0	1758	0	2173585	10868	2184452	2.18
		204	Dhariawad	3265930	1490714	99511	197902	522	7186	11478	529	0	5073772	25369	5099141	5.10
		205	Peepalkhoont	1713428	589255	4019	99289	251	2919	5511	0	0	2414672	12073	2426746	2.43
		206	Pratapgarh	2929105	1245238	10071	124525	1212	2093	5093	29	1987	4319353	21597	4340949	4.34
			Sub Total	**10408369**	**4592495**	**123640**	**550295**	**3677**	**16164**	**22500**	**5118**	**1987**	**15724246**	**78621**	**15802867**	**15.80**
28	Rajsamand	207	Amet	675925	628904	47435	104648	2382	1188	8742	3846	0	1473069	7365	1480434	1.48
		208	Bhim	821698	422010	96083	205655	418	584	4941	2259	0	1553648	7768	1561417	1.56
		209	Deogarh	656085	442698	97925	149965	2319	1168	11706	5590	0	1367455	6837	1374292	1.37
		210	Khamnor	1431641	919057	25110	163261	3426	17311	43785	1544	0	2605137	13026	2618162	2.62
		211	Kumbhalgarh	851709	1166302	10565	105591	1964	7830	14785	2602	0	2161348	10807	2172155	2.17
		212	Railmagra	1204346	822077	29916	62386	2653	403	0	343	0	2122124	10611	2132734	2.13
		213	Rajsamand	1036207	779509	22272	98923	3197	2254	10642	2773	2349	1958126	9791	1967917	1.97
			Sub Total	**6677611**	**5180557**	**329308**	**890429**	**16359**	**30738**	**94601**	**18957**	**2349**	**13240907**	**66205**	**13307111**	**13.30**
29	Sawai madhopur	214	Bamanwas	454818	975366	24918	106961	1274	3382	18434	23603	0	1608757	8044	1616800	1.62
		215	Bonli	397846	585186	58606	84679	1504	2033	18396	14897	0	1163146	5816	1168962	1.17
		216	Gangapur	221311	1385851	21725	62028	1504	1812	30824	22374	0	1747429	8737	1756166	1.76
		217	Khandar	632968	1267224	42128	271838	2173	3563	36031	29794	0	2285719	11429	2297147	2.30
		218	Sawai Madhopur	906633	1584073	59958	181186	1901	6280	41162	40459	2778	2824430	14122	2838552	2.84
			Sub Total	**2613577**	**5797701**	**207335**	**706691**	**8357**	**17070**	**144846**	**131126**	**2778**	**9629481**	**48147**	**9677628**	**9.69**
30	Sikar	219	Danta Ramgarh	914710	1281179	133214	180525	1400	1711	53096	11709	0	2577543	12888	2590431	2.59
		220	Dhond	716924	1006642	104666	141840	1086	1329	41694	9207	0	2023389	10117	2033506	2.03
		221	Fatehpur	397391	450943	88485	203043	627	3925	59102	0	0	1203515	6018	1209533	1.21
		222	Khandela	636427	2130058	50676	217178	1797	2275	73620	14825	0	3126856	15634	3142490	3.14
		223	Lachhmangarh	1059573	1212556	139792	280893	2653	1147	97451	229	0	2794295	13971	2808266	2.81
		224	Neem Ka Thana	388154	1837603	73564	327483	2570	5455	61838	19243	0	2715910	13580	2729489	2.73
		225	Piprali	2725609	2331625	196878	373162	4429	2315	138271	500	18925	5791713	28959	5820672	5.82
		226	Srimadhopur	480096	1606869	38227	163835	1358	1731	55567	11194	0	2358878	11794	2370672	2.37
			Sub Total	**7318884**	**11857475**	**825501**	**1887960**	**15920**	**19888**	**580640**	**66907**	**18925**	**22592098**	**112960**	**22705059**	**22.70**
31	Sirohi	227	Abu Road	865383	445723	20565	116232	251	423	1406	0	0	1449983	7250	1457233	1.46
		228	Pindwara	1252604	695652	87877	150695	898	1953	53172	0	0	2242852	11214	2254067	2.25

S.No	District	S.No		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		229	Reodar	1038960	1610470	128119	107701	1859	7629	81032	0	0	2975771	14879	2990650	2.99
		230	Sheoganj	500755	512003	201407	135146	752	8515	19650	0	4762	1382989	6915	1389904	1.39
		231	Sirohi	863494	563646	213230	88414	2236	9582	64917	0	0	1805518	9028	1814546	1.81
			Sub Total	**4521196**	**3827495**	**651198**	**598189**	**5996**	**28101**	**220177**	**0**	**4762**	**9857114**	**49286**	**9906399**	**9.90**
32	Tonk	232	Deoli	979281	1167027	92186	106179	2862	403	6955	23217	0	2378110	11891	2390000	2.39
		233	Malpura	1107899	1177914	166980	117074	3677	986	4181	22045	0	2600756	13004	2613760	2.61
		234	Niwai	1339517	1784809	232627	199355	5244	1168	24895	22745	0	3610361	18052	3628412	3.63
		235	Todaraisingh	733988	910280	79645	75140	1797	20	2889	4775	0	1808533	9043	1817575	1.82
		236	Tonk	451564	945923	38172	62669	2862	443	4409	4889	6460	1517392	7587	1524979	1.52
		237	Uniara	624413	1048698	43935	91083	1630	3160	7145	13453	0	1833518	9168	1842685	1.84
			Sub Total	**5236664**	**7034651**	**653544**	**651500**	**18072**	**6180**	**50474**	**91125**	**6460**	**13748669**	**68743**	**13817412**	**13.81**
33	Udaipur	238	Bargaon	1935513	2325468	38114	149795	940	1047	7487	558	0	4458922	22295	4481217	4.48
		239	Bhindar	1336332	699871	7714	104295	376	1490	12162	1444	0	2163685	10818	2174503	2.17
		240	Girwa	1700801	890743	9821	132741	460	1912	15507	1844	47815	2801644	14008	2815652	2.82
		241	Gogunda	501460	201908	19792	44050	418	2073	3649	71	0	773422	3867	777289	0.78
		242	Jhadol	1064920	416599	27272	93544	627	4388	7449	157	0	1614958	8075	1623032	1.62
		243	Kherwara	1633340	822631	42804	148757	42	2717	5815	0	0	2656106	13281	2669386	2.67
		244	Kotra	853870	334021	14561	75005	710	3523	6233	129	0	1288051	6440	1294491	1.29
		245	Lasadiya	785249	479428	26799	105013	1233	2214	4713	0	0	1404649	7023	1411672	1.41
		246	Mavli	1541671	1308087	20116	122856	1400	1208	52982	543	0	3048864	15244	3064108	3.06
		247	Rishabhdeo	1330985	670299	34876	121224	292	2214	5093	0	0	2164985	10825	2175810	2.18
		248	Salumbar	1594320	973406	54413	213207	2507	4428	14101	0	0	2856384	14282	2870665	2.87
		249	Sarada	1771720	1039559	27756	147722	439	3160	19688	886	0	3010930	15055	3025985	3.03
			Sub Total	**16050183**	**10162019**	**324039**	**1458210**	**9443**	**30375**	**154880**	**5633**	**47815**	**28242598**	**141213**	**28383811**	**28.38**
			Grand Total	**280682985**	**254624876**	**29234791**	**36561483**	**464066**	**1879321**	**15782974**	**1943685**	**476610**	**621650792**	**3108254**	**624759046**	**624.75**

Table B-5.7 Water Demand for the Livestock in the year 2020

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3/ yr												
1	Ajmer	1	Arain	758799	898517	117786	110246	383	1106	391	15337	0	1902562	9513	1912075	1.91
		2	Bhinay	1586007	1194767	243156	168977	956	2161	7381	10137	0	3213541	16068	3229608	3.23
		3	Jawaja	659411	569194	97545	239857	487	553	4061	9840	0	1580949	7905	1588854	1.59
		4	Kekri	1486957	1457243	215179	173032	2347	4322	1874	20158	0	3361115	16806	3377920	3.38
		5	Kishangarh	1687312	1839293	293880	293752	1148	6969	27844	28929	0	4179126	20896	4200022	4.20
		6	Masooda	1135389	1002231	243871	183138	522	2245	12926	23647	0	2603968	13020	2616988	2.62
		7	Peesangan	661938	1023022	151648	122644	487	1189	11676	54073	0	2026678	10133	2036812	2.04
		8	Srinagar	713380	873060	61414	197343	1478	1592	14566	16785	198796	2078414	10392	2088806	2.09
			Sub Total	**8689193**	**8857327**	**1424478**	**1488989**	**7807**	**20138**	**80719**	**178906**	**198796**	**20946353**	**104732**	**21051085**	**21.06**
2	Alwar	9	Bansure	296606	2116275	26896	96944	1026	3384	52876	7422	0	2601429	13007	2614436	2.61
		10	Behror	266711	1787122	22526	49724	1808	3217	79430	8178	0	2218716	11094	2229810	2.23
		11	Kathumar	203762	2040750	38470	34576	1948	704	24680	28386	0	2373275	11866	2385142	2.39
		12	Kishangarh Bas	228738	1185604	12542	87388	487	1659	22220	675	0	1539313	7697	1547009	1.55
		13	Kotkasim	260597	1267004	10995	14865	1113	888	19838	1349	0	1576649	7883	1584532	1.58
		14	Lachhmangarh	278917	2567419	28458	79114	1322	352	30421	24470	0	3010472	15052	3025525	3.03
		15	Mandawar	204642	1893302	18930	51570	1322	2681	49322	3933	0	2225700	11129	2236829	2.24
		16	Nimrana	206469	1294274	15528	38409	417	536	18588	461	0	1574683	7873	1582556	1.58
		17	Rajgarh	621528	2650439	23110	266579	539	1675	45300	32237	0	3641406	18207	3659614	3.66
		18	Ramgarh	332797	1750544	30039	108208	539	402	20853	11108	0	2254489	11272	2265762	2.27
		19	Reni	205792	1209925	10260	24382	139	285	14957	609	0	1466349	7332	1473680	1.47
		20	Thanagazi	399739	1516329	13950	213973	800	2362	17690	13197	0	2178041	10890	2188931	2.19
		21	Tijara	657448	2133222	14500	83463	869	1608	31046	7356	0	2929511	14648	2944159	2.94
		22	Umren	358473	2027912	15480	237993	1548	7204	31241	20553	36670	2737073	13685	2750759	2.75
			Sub Total	**4522219**	**25440120**	**281682**	**1387189**	**13876**	**26956**	**458463**	**159933**	**36670**	**32327108**	**161636**	**32488743**	**32.49**
3	Banswara	23	Anandpuri	617061	559427	7385	40368	278	4322	6326	0	0	1235168	6176	1241344	1.24
		24	Bagidora	1703647	769563	880	114976	174	3954	3202	1070	0	2597466	12987	2610453	2.61
		25	Banswara	1993598	829205	1875	117837	243	4138	5311	16	41424	2993647	14968	3008616	3.01
		26	Chhoti Sarvan	996788	414590	935	58917	122	2061	2655	0	0	1476067	7380	1483447	1.48
		27	Garhi	1234167	1131910	14773	80739	556	8628	12653	0	0	2483426	12417	2495843	2.50
		28	Ghatol	2076718	817262	5322	135351	243	2982	7303	0	0	3045181	15226	3060407	3.06
		29	Kushalgarh	2958211	764220	2567	147449	139	5127	39	148	0	3877901	19390	3897290	3.90
		30	Sajjangarh	1393865	629634	718	94068	139	2295	2577	872	0	2124169	10621	2134790	2.13
			Sub Total	**12974055**	**5915812**	**34455**	**789705**	**1895**	**33507**	**40067**	**2106**	**41424**	**19833025**	**99165**	**19932191**	**19.93**
4	Baran	31	Antah	1245178	1119338	7898	86684	539	2061	0	39889	0	2501587	12508	2514095	2.51
		32	Atru	850222	928906	3656	78517	452	7941	4335	20109	0	1894137	9471	1903608	1.90

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		33	Baran	639060	638917	4539	61640	469	519	21908	9084	6383	1382519	6913	1389432	1.39
		34	Chhabra	871521	887759	966	62986	261	2195	4608	5101	0	1835396	9177	1844573	1.84
		35	Chhipabarod	1399460	1072365	1482	91831	400	4674	351	5595	0	2576158	12881	2589039	2.59
		36	Kishanganj	1437884	930719	15169	64259	452	1257	39	21754	0	2471533	12358	2483891	2.48
		37	Shahbad	1434973	638289	188	48886	0	1407	39	23515	0	2147298	10736	2158034	2.16
			Sub Total	**7878297**	**6216293**	**33897**	**494805**	**2574**	**20054**	**31280**	**125047**	**6383**	**14808629**	**74043**	**14882672**	**14.87**
5	Barmer	38	Balotra	2077620	752036	442670	495909	1548	27325	182292	6303	0	3985702	19929	4005631	4.01
		39	Barmer	1512543	126415	345507	523869	3182	44363	257387	0	1713	2814980	14075	2829055	2.83
		40	Baytoo	1751863	87444	574297	627493	678	21679	228919	2584	0	3294957	16475	3311432	3.31
		41	Chohtan	2349611	668388	668756	856248	6277	87017	611818	2090	0	5250205	26251	5276456	5.28
		42	Dhorimanna	2193569	1458766	602467	617832	1861	28498	328148	13411	0	5244552	26223	5270775	5.27
		43	Sheo	2481556	53574	836095	779504	7338	69527	421403	0	0	4648996	23245	4672241	4.67
		44	Sindhari	757580	39987	147212	218808	6764	57397	193929	0	0	1421677	7108	1428785	1.43
		45	Siwana	1096356	1108169	287064	243450	2034	13922	68848	35873	0	2855717	14279	2869996	2.87
			Sub Total	**14220699**	**4294778**	**3904068**	**4363114**	**29682**	**349727**	**2292744**	**60261**	**1713**	**29516787**	**147584**	**29664371**	**29.67**
6	Bharatpur	46	Bayana	360165	691669	29785	96197	469	2949	36591	24733	0	1242558	6213	1248771	1.25
		47	Deeg	350756	1541036	21235	35527	243	3133	3944	28271	0	1984146	9921	1994067	1.99
		48	Kaman	218202	1280905	17018	27238	174	720	4218	24256	0	1572730	7864	1580594	1.58
		49	Kumher	327133	1604111	18132	22269	609	1826	2226	19368	0	1995674	9978	2005653	2.01
		50	Nadbai	210057	1386988	15411	22826	556	2044	20111	19928	0	1677922	8390	1686312	1.69
		51	Nagar Pahari	534866	3237281	71005	79535	1009	2496	14019	35808	0	3976019	19880	3995899	4.00
		52	Rupbas	282279	353812	14494	43951	730	2831	8982	29308	0	736387	3682	740069	0.74
		53	Sewar	354975	527491	10904	21046	1113	3418	4999	22396	10239	956580	4783	961363	0.96
		54	Weir	215562	1275514	27973	62465	1704	1558	44440	22347	0	1651563	8258	1659821	1.66
			Sub Total	**2853995**	**11898809**	**225958**	**411053**	**6608**	**20975**	**139530**	**226413**	**10239**	**15793581**	**78968**	**15872549**	**15.88**
7	Bhilwara	55	Asind	1834239	886912	221735	182603	1200	2965	36943	22939	0	3189536	15948	3205484	3.21
		56	Banera	1002676	592331	82937	78430	383	637	7966	3735	0	1769096	8845	1777941	1.78
		57	Hurda	1013055	510592	88171	68459	383	2345	4530	5908	0	1693443	8467	1701910	1.70
		058	Jahazpur	1751232	955668	143203	212882	1548	5830	7498	9758	0	3087619	15438	3103057	3.10
		59	Kotri	863195	418120	8795	42609	365	285	1172	21771	0	1356312	6782	1363093	1.36
		60	Mandal	1109397	834137	161894	152702	1948	1659	19057	5332	0	2286125	11431	2297555	2.30
		61	Mandalgarh	1713733	968482	98089	193979	6260	2949	26555	0	0	3010046	15050	3025096	3.03
		62	Raipur	588520	417056	80945	76339	956	737	9489	2649	0	1176693	5883	1182577	1.18
		63	Sahara	1109216	779234	71329	108501	1461	620	1367	675	0	2072402	10362	2082764	2.08
		64	Shahpura	1758858	708254	187542	116037	1756	2999	27024	9824	0	2812293	14061	2826354	2.83
		65	Suwana	1654484	1028292	81914	124769	1687	3183	16519	7997	16086	2934931	14675	2949606	2.95

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
			Sub Total	**14398604**	**8099078**	**1226556**	**1357311**	**17945**	**24209**	**158119**	**90588**	**16086**	**25388497**	**126942**	**25515439**	**25.52**
8	Bikaner	66	Bikaner	2960355	489463	575767	405430	16919	40644	397465	0	2353	4888395	24442	4912837	4.91
		67	Dungargarh	1395331	683038	217177	188811	209	16418	230872	0	0	2731855	13659	2745515	2.75
		68	Khajuwala	1272817	356617	218573	141225	0	21712	119731	0	0	2130675	10653	2141329	2.14
		69	Kolayat	3014369	259454	529411	397704	52	22517	342090	2929	0	4568526	22843	4591369	4.59
		70	Lunkaransar	3362215	425639	476704	233459	209	46658	482714	1053	0	5028650	25143	5053794	5.05
		71	Nokha	1902062	1215993	254800	359416	122	12465	334631	0	0	4079488	20397	4099886	4.10
			Sub Total	**13907149**	**3430204**	**2272431**	**1726046**	**17510**	**160414**	**1907502**	**3982**	**2353**	**23427591**	**117138**	**23544729**	**23.54**
9	Bundi	72	Bundi	1092498	1572465	9129	82320	1600	3770	7849	15386	4690	2789707	13949	2803655	2.80
		73	Hindoli	1782413	1788210	71412	236588	4817	4540	33116	15024	0	3936119	19681	3955800	3.96
		74	Keshorai Patan	1197977	1481588	23321	148700	1148	6266	33545	12194	0	2904738	14524	2919262	2.92
		75	Nainwa	1018425	1160993	53844	162883	6538	4842	5272	16521	0	2429319	12147	2441465	2.44
		76	Talera	1019892	1502186	8915	69926	1130	3535	4725	13592	0	2623901	13120	2637021	2.64
			Sub Total	**6111204**	**7505442**	**166621**	**700417**	**15232**	**22952**	**84507**	**72718**	**4690**	**14683784**	**73419**	**14757203**	**14.76**
10	Chittaurgarh	77	Bari Sadri	790657	916262	9513	73707	1235	2496	0	1744	0	1795614	8978	1804592	1.80
		78	Begun	1660553	1017752	14462	113179	504	687	12731	14448	0	2834316	14172	2848488	2.85
		79	Bhadesar	924339	1100288	24466	116244	1269	988	51704	2781	0	2222081	11110	2233191	2.23
		80	Bhainsrorgarh	1536301	520480	3017	94517	400	385	4842	7142	0	2167085	10835	2177921	2.18
		81	Bhopalsagar	421196	506893	10992	44625	852	704	0	461	0	985723	4929	990652	0.99
		82	Chittaurgarh	1630229	1401832	16776	147085	1687	3083	20072	7603	2345	3230712	16154	3246866	3.25
		83	Dungla	749548	1009435	23204	80041	2017	2630	0	3801	0	1870677	9353	1880030	1.88
		84	Gangrar	1177423	623421	27714	99243	1182	302	8826	773	0	1938883	9694	1948578	1.95
		85	Kapasan	842415	1013811	21984	89254	1687	1391	0	922	0	1971463	9857	1981320	1.98
		86	Nimbahera	1350748	1168609	19987	87752	1426	3183	3632	18677	0	2654013	13270	2667283	2.67
		87	Rashmi	704288	714781	34652	82166	2121	1072	430	7553	0	1547063	7735	1554798	1.55
			Sub Total	**11787697**	**9993564**	**206769**	**1027812**	**14380**	**16921**	**102236**	**65905**	**2345**	**23217631**	**116088**	**23333719**	**23.33**
11	Churu	88	Churu	559685	514751	146417	239337	956	15028	145896	0	10440	1632510	8163	1640673	1.64
		89	Rajgarh	722518	1987974	176684	210030	922	8477	390084	527	0	3497216	17486	3514702	3.51
		90	Ratangarh	735604	483830	217043	274339	609	11158	106103	757	0	1829441	9147	1838589	1.84
		91	Sardar Shahar	1870587	666163	391672	311048	417	27006	443584	148	0	3710627	18553	3729180	3.73
		92	Sujangarh	864436	1046134	212940	432939	1548	8494	194280	576	0	2761347	13807	2775154	2.78
		93	Taranagar	607517	767025	132114	153080	609	12599	300852	1432	0	1975226	9876	1985103	1.99
			Sub Total	**5360348**	**5465877**	**1276870**	**1620773**	**5060**	**82762**	**1580799**	**3439**	**10440**	**15406368**	**77032**	**15483400**	**15.49**
12	Dausa	94	Bandikui	293696	2224147	22036	116088	487	653	22767	10170	0	2690044	13450	2703494	2.70
		95	Dausa	916330	2160541	67113	177831	3426	1039	31944	24256	1729	3384208	16921	3401129	3.40
		96	Lalsot	1499073	2149444	31455	218027	452	2329	66387	26543	0	3993710	19969	4013679	4.01
		97	Mahwa	167323	1963194	19856	57679	522	1189	23860	20208	0	2253832	11269	2265101	2.27

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		98	Sikrai	305022	2235437	30800	97887	1009	955	31710	24009	0	2726828	13634	2740462	2.74
			Sub Total	**3181444**	**10732763**	**171259**	**667513**	**5895**	**6165**	**176668**	**105185**	**1729**	**15048621**	**75243**	**15123864**	**15.12**
13	Dhaulpur	99	Bari	272983	1782794	6958	61868	191	921	3358	4937	0	2134011	10670	2144681	2.14
		100	Baseri	835669	2024915	3191	88870	35	67	2421	20537	0	2975704	14879	2990583	2.99
		101	Dhaulpur	1622468	3072451	4527	84354	678	1441	1132	2008	750	4789809	23949	4813758	4.81
		102	Rajakhera	158547	1001361	1487	39405	1635	2831	586	3867	0	1209718	6049	1215767	1.22
			Sub Total	**2889666**	**7881520**	**16163**	**274497**	**2539**	**5261**	**7498**	**31348**	**750**	**11109242**	**55546**	**11164789**	**11.16**
14	Dungarpur	103	Aspur	1596408	1443270	50513	124405	1617	3166	17964	0	0	3237343	16187	3253530	3.25
		104	Bichhiwara	2267303	969473	91772	183753	922	10203	12496	0	0	3535922	17680	3553602	3.55
		105	Dungarpur	1174354	498263	46228	91874	452	5093	6248	0	19495	1842008	9210	1851218	1.85
		106	Sagwara	2077869	1872462	54439	195537	2069	15095	29991	14761	0	4262223	21311	4283534	4.28
		107	Simalwara	2513189	1387569	59819	172165	504	6249	6131	0	0	4145625	20728	4166354	4.17
			Sub Total	**9629123**	**6171036**	**302772**	**767734**	**5564**	**39806**	**72831**	**14761**	**19495**	**17023122**	**85116**	**17108237**	**17.10**
15	Ganganagar	108	Anupgarh	2554253	1324615	192961	162522	922	13336	75682	2057	0	4326346	21632	4347978	4.35
		109	Ganganagar	1892315	987145	62474	50592	3234	1508	30577	1432	10844	3040121	15201	3055321	3.06
		110	Ghadsana	1125303	642254	116036	103478	400	6433	51392	1366	0	2046662	10233	2056895	2.06
		111	Karanpur	1093829	490962	51171	44710	4104	1391	8630	66	0	1694862	8474	1703336	1.70
		112	Padampur	2696644	1288255	119139	40759	3547	1122	81422	181	0	4231070	21155	4252225	4.25
		113	Raisinghnagar	1505030	775752	72728	76667	2069	3066	76384	527	0	2512224	12561	2524785	2.52
		114	Sadulshahar	1042996	676970	69611	41241	3286	2245	112155	1695	0	1950200	9751	1959951	1.96
		115	Suratgarh	2656325	1090811	388114	208366	278	30608	319596	2534	0	4696633	23483	4720116	4.72
			Sub Total	**14566695**	**7276763**	**1072236**	**728335**	**17841**	**59709**	**755839**	**9857**	**10844**	**24498118**	**122491**	**24620608**	**24.62**
16	Hanumangarh	116	Bhadra	801600	1935271	125629	74845	243	19283	519578	790	0	3477240	17386	3494626	3.49
		117	Hanumangarh	1991093	1572030	87313	80765	3147	3183	140546	0	22619	3900697	19503	3920200	3.92
		118	Nohar	1444134	1410632	173658	121939	122	21729	550663	165	0	3723041	18615	3741657	3.74
		119	Pilibanga	1523734	927552	87020	52636	1235	4306	116490	9840	0	2722812	13614	2736427	2.74
		120	Rawatsar	1501149	756798	248871	122717	243	29101	273984	708	0	2933572	14668	2948240	2.95
		121	Sangariya	1019147	743357	42541	31122	4121	1173	137305	0	0	1978765	9894	1988659	1.99
		122	Tibi	1212959	1058488	40598	43020	5964	1575	61311	329	0	2424244	12121	2436365	2.44
			Sub Total	**9493816**	**8404128**	**805631**	**527043**	**15076**	**80349**	**1799877**	**11832**	**22619**	**21160371**	**105802**	**21266172**	**21.27**
17	Jaipur	123	Amber	2509398	2958293	33840	184591	1235	84	23821	11042	0	5722304	28612	5750915	5.75
		124	Bassi	1371370	1459999	13747	111339	1635	134	33858	20224	0	3012305	15062	3027367	3.03
		125	Chaksu	771456	1223633	78640	114620	1461	821	26008	6335	0	2222974	11115	2234089	2.23
		126	Dudu	1033203	1308224	261239	148791	887	0	2265	11766	0	2766375	13832	2780207	2.78
		127	Govindgarh	2499967	3632338	26899	138701	2400	1642	36747	13033	0	6351727	31759	6383486	6.38
		128	Jamwa Ramgarh	1070116	1891658	43607	303476	1513	637	34756	29225	0	3374986	16875	3391861	3.39
		129	Jhotwara	843069	1237534	9143	38543	243	838	11247	3357	43683	2187657	10938	2198596	2.20

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		130	Kotputli	350576	2641663	45484	119774	2295	2379	51274	14234	0	3227680	16138	3243819	3.24
		131	Phagi	689712	1236881	151269	104204	2104	1525	14254	16242	0	2216190	11081	2227271	2.23
		132	Sambhar	2394443	2621887	235585	312987	869	1458	69199	29505	0	5665933	28330	5694262	5.69
		133	Sanganer	671956	1253224	24540	52764	1061	436	14918	10729	0	2029627	10148	2039775	2.04
		134	Shahpura	460026	1940251	21571	151770	1009	1223	30812	31332	0	2637993	13190	2651183	2.65
		135	Viratnagar	256377	936932	16557	118618	87	1659	20502	5299	0	1356031	6780	1362811	1.36
			Sub Total	**14921670**	**24342515**	**962123**	**1900177**	**16797**	**12833**	**369660**	**202322**	**43683**	**42771782**	**213859**	**42985641**	**42.97**
18	Jaisalmer	136	Jaisalmer	3165199	22894	1804307	936800	4625	104005	712297	2567	2311	6755005	33775	6788780	6.79
		137	Sam	1292898	7446	728683	493571	5895	31513	411484	0	0	2971490	14857	2986348	2.99
		138	Sankra	3229525	42670	1180522	785149	2382	36690	399886	1135	0	5677959	28390	5706349	5.71
			Sub Total	**7687622**	**73011**	**3713512**	**2215520**	**12902**	**172208**	**1523667**	**3703**	**2311**	**15404455**	**77022**	**15481477**	**15.49**
19	Jalore	139	Ahore	759566	909203	568191	187587	2278	7589	41824	7208	0	2483445	12417	2495863	2.50
		140	Bhinmal	950918	1515507	265436	157638	2834	19484	32998	16	0	2944832	14724	2959556	2.96
		141	Chitalwana	1580073	1742421	169929	139316	6747	5428	87358	0	0	3731270	18656	3749927	3.75
		142	Jalore	481551	1109692	254806	142658	1930	11091	23001	22692	1823	2049245	10246	2059491	2.06
		143	Jaswantpura	454611	1338081	135485	120778	3321	3451	27492	625	0	2083845	10419	2094264	2.09
		144	Raniwara	755775	1592579	150742	111198	1687	4389	20307	263	0	2636941	13185	2650126	2.65
		145	Sanchore	1098003	1210820	118088	96812	4678	3770	60725	0	0	2592893	12964	2605858	2.61
		146	Sayla	351749	1417643	128285	103559	4225	3602	22923	10499	0	2042486	10212	2052698	2.05
			Sub Total	**6432246**	**10835945**	**1790961**	**1059547**	**27700**	**58804**	**316628**	**41304**	**1823**	**20564958**	**102825**	**20667783**	**20.67**
20	Jhalawar	147	Bakani	1416427	1126857	2781	100943	835	4322	1562	5134	0	2658861	13294	2672155	2.67
		148	Dag	2923803	1809363	7280	199954	8051	8092	3671	10482	0	4970696	24853	4995550	5.00
		149	Jhalrapatan	1744102	1804794	10026	137169	1895	2228	2187	15189	7220	3724810	18624	3743434	3.74
		150	Khanpur	929258	1067626	9984	92612	522	1675	2577	32549	0	2136803	10684	2147487	2.15
		151	Manohar Thana	1224127	822750	3217	91457	383	1223	2382	3028	0	2148567	10743	2159310	2.16
		152	Pirawa	1434409	1333125	6624	106137	4851	2530	781	6187	0	2894645	14473	2909118	2.91
			Sub Total	**9672127**	**7964516**	**39911**	**728272**	**16537**	**20071**	**13160**	**72569**	**7220**	**18534382**	**92672**	**18627054**	**18.63**
21	Jhunjhunun	153	Alsisar	1325275	1619318	79196	90230	1739	1893	193148	3275	0	3314073	16570	3330643	3.33
		154	Buhana	184899	695174	35609	33181	835	1424	74198	1316	0	1026637	5133	1031770	1.03
		155	Chirawa	567965	693990	33940	38670	748	804	82750	1399	0	1420265	7101	1427366	1.43
		156	Jhunjhunun	1417036	1449676	109184	325452	1948	4909	145583	247	1937	3455972	17280	3473252	3.47
		157	Khetri	222195	1253103	95411	176734	765	1608	74041	2468	0	1826327	9132	1835458	1.84
		158	Nawalgarh	972939	1426105	53645	218483	2278	1759	86772	5315	0	2767296	13836	2781133	2.78
		159	Surajgarh	225986	849633	43524	40555	1026	1726	88061	1613	0	1252124	6261	1258384	1.26
		160	Udaipurwati	607201	1481226	78601	237404	1739	5562	107860	18332	0	2537924	12690	2550614	2.55
			Sub Total	**5523497**	**9468225**	**529109**	**1160711**	**11077**	**19685**	**852413**	**33964**	**1937**	**17600617**	**88003**	**17688620**	**17.69**
22	Jodhpur	161	Balesar	1145158	305098	241022	342616	626	6417	74940	625	0	2116502	10583	2127084	2.13

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		162	Bap	2308638	247705	505740	409931	817	16904	281990	0	0	3771724	18859	3790583	3.79
		163	Bawari	934312	519006	300692	177337	469	4976	40809	1168	0	1978769	9894	1988663	1.99
		164	Bhopalgarh	1208717	1574085	351929	277977	643	8326	66817	790	0	3489285	17446	3506731	3.51
		165	Bilara	1000488	1110514	235101	151066	2017	6953	29796	214	0	2536149	12681	2548829	2.55
		166	Luni	1638870	753776	179371	188886	487	4088	77361	8573	0	2851412	14257	2865669	2.87
		167	Mandor	1254880	845113	291127	139260	904	1960	56429	0	1899	2591573	12958	2604531	2.60
		168	Osian	1868060	1038035	31546	354676	939	9952	81852	2353	0	3387413	16937	3404350	3.40
		169	Phalodi	1741620	186879	381526	309247	609	12749	212752	0	0	2845382	14227	2859609	2.86
		170	Shergarh	1240598	330507	261108	371166	696	6953	66895	691	0	2278614	11393	2290007	2.29
			Sub Total	**14341341**	**6910718**	**2779163**	**2722163**	**8207**	**79277**	**989639**	**14415**	**1899**	**27846823**	**139234**	**27986057**	**27.99**
23	Karauli	171	Hindaun	233183	2487397	26423	77343	1009	653	35224	29818	0	2891051	14455	2905506	2.91
		172	Karauli	799749	2225259	24600	177833	417	4389	48853	16851	1804	3299756	16499	3316255	3.32
		173	Nadoti	308880	1085396	29412	97389	1478	6567	12028	22956	0	1564106	7821	1571926	1.57
		174	Sapotra	1165262	2714867	46835	312556	2852	5830	49986	32944	0	4331131	21656	4352787	4.35
		175	Todabhim	177860	1917066	27498	77909	1078	1324	21830	27464	0	2252028	11260	2263289	2.26
			Sub Total	**2684935**	**10429985**	**154768**	**743030**	**6834**	**18764**	**167921**	**130033**	**1804**	**14338073**	**71690**	**14409763**	**14.41**
24	Kota	176	Itawa	1030000	1109426	19847	85234	939	3049	1289	18365	0	2268148	11341	2279489	2.28
		177	Khairabad	803630	796616	3183	70787	417	553	25188	12177	0	1712552	8563	1721114	1.72
		178	Ladpura	1346935	1789588	9459	79239	661	687	37685	9544	4906	3278703	16394	3295097	3.30
		179	Sangod	1011904	1165248	9505	81451	991	653	61389	19105	0	2350246	11751	2361998	2.36
		180	Sultanpur	1008543	1047826	18098	69519	782	4255	1328	27958	0	2178309	10892	2189201	2.19
			Sub Total	**5201011**	**5908704**	**60092**	**386229**	**3791**	**9198**	**126878**	**87149**	**4906**	**11787959**	**58940**	**11846898**	**11.85**
25	Nagaur	181	Degana	1096784	1700113	256285	243701	4695	9231	54047	3801	0	3368658	16843	3385501	3.39
		182	Didwana	1001458	1456010	191950	337442	2504	2211	51743	1201	0	3044519	15223	3059742	3.06
		183	Jayal	805751	1016059	157828	224026	2156	3585	58968	165	0	2268538	11343	2279880	2.28
		184	Kuchaman City	1247976	1971269	366471	290560	1687	5428	95832	5611	0	3984833	19924	4004757	4.00
		185	Ladnun	612932	562933	100853	224947	1443	1927	50025	247	0	1555306	7777	1563083	1.56
		186	Makrana	650454	922161	129188	181935	661	1290	27102	5167	0	1917956	9590	1927546	1.93
		187	Merta	715185	1045288	194665	141188	1878	1592	17456	2518	0	2119769	10599	2130368	2.13
		188	Mundwa	737770	529135	181149	230176	400	1525	47525	0	0	1727681	8638	1736319	1.74
		189	Nagaur	1170925	1283008	298045	421813	765	2781	89271	0	2886	3269495	16347	3285842	3.29
		190	Parbatsar	707063	1034240	216900	252625	1513	3920	35341	12473	0	2264076	11320	2275396	2.28
		191	Riyan	561918	821299	152950	110932	1478	1257	13707	1975	0	1665516	8328	1673844	1.67
			Sub Total	**9308217**	**12341516**	**2246284**	**2659343**	**19180**	**34747**	**541017**	**33158**	**2886**	**27186347**	**135932**	**27322279**	**27.33**
26	Pali	192	Bali	1145813	1166288	263581	205144	2747	8008	24056	13230	0	2828868	14144	2843012	2.84
		193	Desuri	877567	1159881	360933	155023	3234	5545	61154	24947	0	2648285	13241	2661526	2.66
		194	Jaitaran	1008001	1154828	288010	179229	2973	3267	12848	13987	0	2663144	13316	2676460	2.68

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		195	Kharchi (Marwar Junction)	544252	630093	160013	107763	1635	2077	37060	4822	0	1487715	7439	1495154	1.50
		196	Pali	826463	687656	434242	132948	2104	6216	43347	5134	0	2138110	10691	2148800	2.15
		197	Raipur	792101	831526	176579	171086	348	6467	23040	11140	7187	2019473	10097	2029571	2.03
		198	Rani Station	319620	370276	93975	63287	956	1005	20424	2830	0	872374	4362	876735	0.88
		199	Rohat	780323	595667	326549	103093	713	8662	41473	0	0	1856479	9282	1865761	1.87
		200	Sojat	970954	950882	284338	159887	2174	2580	37294	8508	0	2416615	12083	2428698	2.43
		201	Sumerpur	453754	547219	209108	72805	2069	1206	23157	4739	0	1314058	6570	1320628	1.32
			Sub Total	**7718848**	**8094315**	**2597327**	**1350264**	**18954**	**45033**	**323853**	**89338**	**7187**	**20245120**	**101226**	**20346346**	**20.36**
27	Pratapgarh	202	Arnod	1180627	556115	735	61625	817	1742	430	3225	0	1805316	9027	1814343	1.81
		203	Chhoti Sadri	1298425	881932	10140	81785	591	1558	0	2024	0	2276456	11382	2287838	2.29
		204	Dhariawad	3238685	1691579	107796	220729	435	5981	11794	609	0	5277607	26388	5303995	5.30
		205	Peepalkhoont	1699135	668654	4354	110742	209	2429	5662	0	0	2491184	12456	2503640	2.50
		206	Pratapgarh	2904670	1413026	10910	138889	1009	1742	5233	33	2345	4477857	22389	4500246	4.50
			Sub Total	**10321543**	**5211306**	**133935**	**613769**	**3060**	**13453**	**23118**	**5891**	**2345**	**16328420**	**81642**	**16410062**	**16.40**
28	Rajsamand	207	Amet	670286	713645	51385	116719	1982	988	8982	4427	0	1568414	7842	1576256	1.58
		208	Bhim	814844	478874	104084	229376	348	486	5077	2600	0	1635687	8178	1643866	1.64
		209	Deogarh	650612	502348	106078	167263	1930	972	12028	6434	0	1447665	7238	1454903	1.45
		210	Khamnor	1419699	1042895	27201	182093	2852	14408	44987	1777	0	2735911	13680	2749591	2.75
		211	Kumbhalgarh	844604	1323454	11445	117770	1635	6517	15191	2995	0	2323611	11618	2335229	2.34
		212	Railmagra	1194299	932846	32407	69582	2208	335	0	395	0	2232073	11160	2243233	2.24
		213	Rajsamand	1027563	884543	24127	110333	2660	1876	10934	3192	2773	2068002	10340	2078342	2.08
			Sub Total	**6621906**	**5878606**	**356727**	**993135**	**13615**	**25582**	**97199**	**21820**	**2773**	**14011363**	**70057**	**14081420**	**14.08**
29	Sawai madhopur	214	Bamanwas	451024	1106791	26993	119298	1061	2815	18940	27168	0	1754090	8770	1762860	1.76
		215	Bonli	394527	664036	63486	94446	1252	1692	18901	17147	0	1255487	6277	1261764	1.26
		216	Gangapur	219465	1572586	23534	69183	1252	1508	31671	25753	0	1944951	9725	1954676	1.95
		217	Khandar	627688	1437975	45635	303193	1808	2965	37021	34294	0	2490580	12453	2503033	2.50
		218	Sawai Madhopur	899070	1797517	64950	202085	1582	5227	42293	46570	3280	3062573	15313	3077886	3.08
			Sub Total	**2591774**	**6578905**	**224599**	**788204**	**6955**	**14207**	**148825**	**150931**	**3280**	**10507681**	**52538**	**10560219**	**10.55**
30	Sikar	219	Danta Ramgarh	907079	1453810	144306	201347	1165	1424	54555	13477	0	2777164	13886	2791049	2.79
		220	Dhond	710944	1142281	113381	158201	904	1106	42839	10597	0	2180253	10901	2191154	2.19
		221	Fatehpur	394076	511704	95852	226463	522	3267	60725	0	0	1292609	6463	1299072	1.30
		222	Khandela	631118	2417070	54895	242229	1495	1893	75642	17065	0	3441407	17207	3458614	3.46
		223	Lachhmangarh	1050734	1375940	151432	313293	2208	955	100128	263	0	2994953	14975	3009928	3.01
		224	Neem Ka Thana	384916	2085209	79689	365257	2139	4540	63537	22149	0	3007435	15037	3022472	3.02
		225	Piprali	2702872	2645797	213270	416204	3686	1927	142069	576	22342	6148743	30744	6179486	6.18
		226	Srimadhopur	476091	1823385	41410	182733	1130	1441	57093	12885	0	2596168	12981	2609149	2.61

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
			Sub Total	**7257829**	**13455197**	**894235**	**2105727**	**13250**	**16552**	**596587**	**77012**	**22342**	**24438732**	**122194**	**24560926**	**24.56**
31	Sirohi	227	Abu Road	858164	505781	22278	129639	209	352	1445	0	0	1517867	7589	1525457	1.53
		228	Pindwara	1242154	789387	95194	168077	748	1625	54633	0	0	2351819	11759	2363578	2.36
		229	Reodar	1030293	1827471	138787	120124	1548	6350	83257	0	0	3207830	16039	3223869	3.22
		230	Sheoganj	496578	580992	218177	150734	626	7087	20190	0	5622	1480005	7400	1487405	1.49
		231	Sirohi	856291	639594	230984	98612	1861	7975	66700	0	0	1902016	9510	1911526	1.91
			Sub Total	**4483480**	**4343226**	**705420**	**667187**	**4991**	**23388**	**226224**	**0**	**5622**	**10459537**	**52298**	**10511835**	**10.51**
32	Tonk	232	Deoli	971111	1324276	99861	118426	2382	335	7146	26724	0	2550263	12751	2563015	2.56
		233	Malpura	1098657	1336630	180884	130578	3060	821	4296	25375	0	2780300	13902	2794202	2.79
		234	Niwai	1328343	2025301	251997	222349	4365	972	25579	26181	0	3885086	19425	3904512	3.90
		235	Todaraisingh	727865	1032934	86276	83806	1495	17	2968	5496	0	1940859	9704	1950563	1.95
		236	Tonk	447797	1073380	41350	69898	2382	369	4530	5628	7627	1652961	8265	1661226	1.66
		237	Uniara	619205	1190004	47593	101589	1356	2630	7342	15485	0	1985203	9926	1995129	2.00
			Sub Total	**5192979**	**7982527**	**707961**	**726647**	**15041**	**5143**	**51860**	**104888**	**7627**	**14794674**	**73973**	**14868647**	**14.86**
33	Udaipur	238	Bargaon	1919367	2638810	41288	167073	782	871	7693	642	0	4776527	23883	4800409	4.80
		239	Bhindar	1325184	794174	8357	116325	313	1240	12496	1662	0	2259752	11299	2271051	2.27
		240	Girwa	1686613	1010765	10639	148052	383	1592	15933	2123	56449	2932547	14663	2947210	2.95
		241	Gogunda	497277	229114	21440	49131	348	1726	3749	82	0	802867	4014	806881	0.81
		242	Jhadol	1056037	472733	29543	104334	522	3652	7654	181	0	1674656	8373	1683029	1.68
		243	Kherwara	1619715	933475	46368	165915	35	2262	5975	0	0	2773744	13869	2787613	2.79
		244	Kotra	846747	379028	15773	83656	591	2932	6404	148	0	1335280	6676	1341956	1.34
		245	Lasadiya	778699	544027	29030	117126	1026	1843	4842	0	0	1476594	7383	1483977	1.48
		246	Mavli	1528811	1484344	21791	137027	1165	1005	54438	625	0	3229206	16146	3245352	3.25
		247	Rishabhdeo	1319882	760618	37780	135207	243	1843	5233	0	0	2260807	11304	2272111	2.27
		248	Salumbar	1581020	1104567	58944	237800	2087	3686	14488	0	0	3002591	15013	3017604	3.02
		249	Sarada	1756940	1179633	30068	164761	365	2630	20229	1020	0	3155645	15778	3171424	3.17
			Sub Total	**15916292**	**11531289**	**351020**	**1626408**	**7860**	**25281**	**159134**	**6484**	**56449**	**29680215**	**148401**	**29828616**	**29.83**
			Grand Total	**278341522**	**288934019**	**31668995**	**40778668**	**386236**	**1564131**	**16216464**	**2237262**	**562670**	**660689966**	**3303450**	**663993415**	**663.99**

Table B-5.8 Water Demand for the Livestock in the year 2040

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption - ->(Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
1	Ajmer	1	Arain	746032	1111904	136074	132946	234	677	411	19321	0	2147599	10738	2158337	2.16
		2	Bhinay	1559323	1478509	280909	203771	585	1323	7771	12770	0	3544961	17725	3562686	3.56
		3	Jawaja	648317	704371	112690	289246	298	338	4276	12397	0	1771934	8860	1780793	1.78
		4	Kekri	1461940	1803321	248589	208662	1437	2646	1974	25395	0	3753963	18770	3772733	3.77
		5	Kishangarh	1658924	2276102	339509	354238	702	4266	29315	36445	0	4699502	23498	4723000	4.72
		6	Masooda	1116287	1240248	281735	220848	319	1374	13609	29790	0	2904211	14521	2918733	2.92
		7	Peesangan	650801	1265977	175194	147898	298	728	12294	68122	0	2321311	11607	2332918	2.33
		8	Srinagar	701378	1080401	70950	237978	905	974	15336	21146	259752	2388820	11944	2400764	2.4
			Sub Total	**8543002**	**10960834**	**1645650**	**1795586**	**4779**	**12326**	**84986**	**225386**	**259752**	**23532302**	**117662**	**23649963**	**23.64**
2	Alwar	9	Bansure	291616	2618864	31072	116906	628	2071	55670	9350	0	3126178	15631	3141809	3.14
		10	Behror	262224	2211541	26023	59963	1107	1969	83629	10303	0	2656759	13284	2670042	2.67
		11	Kathumar	200334	2525403	44443	41696	1192	431	25985	35761	0	2875244	14376	2889620	2.89
		12	Kishangarh Bas	224890	1467171	14489	105382	298	1015	23395	850	0	1837490	9187	1846677	1.85
		13	Kotkasim	256212	1567902	12702	17926	681	543	20887	1700	0	1878553	9393	1887946	1.89
		14	Lachhmangarh	274225	3177149	32876	95405	809	215	32029	30827	0	3643535	18218	3661753	3.66
		15	Mandawar	201199	2342938	21869	62189	809	1641	51929	4955	0	2687528	13438	2700965	2.7
		16	Nimrana	202995	1601649	17939	46318	255	328	19571	580	0	1889636	9448	1899084	1.9
		17	Rajgarh	611072	3279885	26698	321470	330	1025	47694	40612	0	4328786	21644	4350430	4.35
		18	Ramgarh	327197	2166276	34703	130489	330	246	21956	13993	0	2695191	13476	2708667	2.71
		19	Reni	202330	1497267	11853	29402	85	174	15747	767	0	1757626	8788	1766414	1.77
		20	Thanagazi	393014	1876438	16116	258032	490	1446	18625	16626	0	2580787	12904	2593691	2.59
		21	Tijara	646387	2639836	16751	100648	532	984	32687	9267	0	3447092	17235	3464328	3.46
		22	Umren	352442	2509517	17883	286998	947	4409	32892	25893	47914	3278895	16394	3295290	3.3
			Sub Total	**4446136**	**31481836**	**325418**	**1672824**	**8493**	**16500**	**482695**	**201484**	**47914**	**38683299**	**193416**	**38876716**	**38.88**
3	Banswara	23	Anandpuri	606679	692285	8532	48680	170	2646	6661	0	0	1365652	6828	1372480	1.37
		24	Bagidora	1674985	952325	1017	138650	106	2420	3371	1348	0	2774222	13871	2788093	2.79
		25	Banswara	1960057	1026131	2166	142101	149	2533	5592	21	54125	3192874	15964	3208839	3.21
		26	Chhoti Sarvan	980017	513050	1080	71048	75	1261	2796	0	0	1569327	7847	1577174	1.58
		27	Garhi	1213403	1400724	17067	97364	341	5281	13321	0	0	2747502	13738	2761239	2.76
		28	Ghatol	2041778	1011352	6149	163221	149	1825	7689	0	0	3232163	16161	3248324	3.25
		29	Kushalgarh	2908441	945713	2966	177810	85	3138	41	187	0	4038381	20192	4058573	4.06

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption - ->(Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		30	Sajjangarh	1370414	779164	829	113438	85	1405	2714	1099	0	2269148	11346	2280493	2.28
			Sub Total	**12755774**	**7320745**	**39805**	**952312**	**1160**	**20509**	**42184**	**2654**	**54125**	**21189269**	**105946**	**21295215**	**21.3**
4	Baran	31	Antah	1224229	1385168	9124	104533	330	1261	0	50252	0	2774897	13874	2788771	2.79
		32	Atru	835917	1149510	4223	94685	277	4861	4564	25333	0	2119369	10597	2129966	2.13
		33	Baran	628308	790652	5243	74333	287	318	23066	11443	8340	1541991	7710	1549701	1.55
		34	Chhabra	856858	1098590	1116	75956	160	1343	4852	6427	0	2045301	10227	2055528	2.06
		35	Chhipabarod	1375915	1327038	1712	110740	245	2861	370	7049	0	2825929	14130	2840059	2.84
		36	Kishanganj	1413692	1151753	17524	77491	277	769	41	27406	0	2688954	13445	2702399	2.7
		37	Shahbad	1410831	789875	217	58952	0	861	41	29624	0	2290402	11452	2301854	2.3
			Sub Total	**7745750**	**7692586**	**39160**	**596690**	**1575**	**12275**	**32933**	**157534**	**8340**	**16286843**	**81434**	**16368277**	**16.37**
5	Barmer	38	Balotra	2042666	930635	511401	598022	947	16725	191927	7940	0	4300263	21501	4321765	4.32
		39	Barmer	1487096	156437	399152	631738	1948	27154	270992	0	2239	2976756	14884	2991639	2.99
		40	Baytoo	1722389	108211	663465	756700	415	13269	241019	3255	0	3508723	17544	3526267	3.53
		41	Chohtan	2310080	827122	772591	1032558	3842	53262	644155	2633	0	5646244	28231	5674475	5.67
		42	Dhorimanna	2156663	1805205	696009	745050	1139	17443	345493	16896	0	5783898	28919	5812818	5.81
		43	Sheo	2439806	66297	965911	940011	4492	42557	443677	0	0	4902749	24514	4927263	4.93
		44	Sindhari	744834	49483	170069	263862	4140	35132	204179	0	0	1471700	7359	1479059	1.48
		45	Siwana	1077910	1371346	331636	293579	1245	8522	72486	45193	0	3201917	16010	3217927	3.22
			Sub Total	**13981445**	**5314735**	**4510234**	**5261521**	**18168**	**214065**	**2413928**	**75917**	**2239**	**31792251**	**158961**	**31951212**	**31.95**
6	Bharatpur	46	Bayana	354105	855932	34410	116005	287	1805	38525	31159	0	1432228	7161	1439389	1.44
		47	Deeg	344855	1907014	24532	42843	149	1918	4153	35616	0	2361078	11805	2372884	2.37
		48	Kaman	214531	1585104	19661	32846	106	441	4440	30557	0	1887687	9438	1897125	1.9
		49	Kumher	321630	1985068	20948	26854	373	1118	2344	24400	0	2382733	11914	2394647	2.39
		50	Nadbai	206523	1716381	17804	27526	341	1251	21174	25105	0	2016105	10081	2026186	2.03
		51	Nagar Pahari	525867	4006096	82029	95912	617	1528	14760	45110	0	4771921	23860	4795781	4.8
		52	Rupbas	277530	437839	16744	53001	447	1733	9457	36922	0	833672	4168	837840	0.84
		53	Sewar	349003	652764	12597	25379	681	2092	5263	28215	13378	1089372	5447	1094819	1.09
		54	Weir	211935	1578433	32317	75327	1043	954	46789	28153	0	1974950	9875	1984825	1.98
			Sub Total	**2805978**	**14724630**	**261041**	**495693**	**4044**	**12839**	**146905**	**285237**	**13378**	**18749746**	**93749**	**18843495**	**18.84**
7	Bhilwara	55	Asind	1803379	1097543	256163	220202	734	1815	38895	28899	0	3447631	17238	3464869	3.46
		56	Banera	985807	733002	95814	94580	234	390	8388	4706	0	1922921	9615	1932535	1.93
		57	Hurda	996011	631852	101861	82556	234	1436	4769	7442	0	1826161	9131	1835292	1.84
		58	Jahazpur	1721768	1182628	165438	256717	947	3569	7894	12293	0	3351254	16756	3368010	3.37
		59	Kotri	848672	517418	10161	51382	224	174	1233	27427	0	1456693	7283	1463976	1.46
		60	Mandal	1090732	1032234	187030	184145	1192	1015	20064	6717	0	2523130	12616	2535746	2.54

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption - ->(Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		61	Mandalgarh	1684900	1198484	113319	233921	3832	1805	27958	0	0	3264219	16321	3280541	3.28
		62	Raipur	578618	516102	93514	92058	585	451	9991	3338	0	1294657	6473	1301131	1.3
		63	Sahara	1090555	964292	82404	130842	894	379	1439	850	0	2271655	11358	2283014	2.28
		64	Shahpura	1729266	876455	216661	139930	1075	1836	28452	12376	0	3006051	15030	3021081	3.02
		65	Suwana	1626648	1272499	94633	150460	1032	1948	17392	10075	21019	3195706	15979	3211685	3.21
			Sub Total	**14156357**	**10022510**	**1416998**	**1636794**	**10984**	**14818**	**166476**	**114124**	**21019**	**27560078**	**137800**	**27697879**	**27.69**
8	Bikaner	66	Bikaner	2910548	605704	665164	488912	10356	24878	418473	0	3074	5127110	25636	5152745	5.15
		67	Dungargarh	1371856	845251	250897	227689	128	10050	243074	0	0	2948944	14745	2963688	2.96
		68	Khajuwala	1251403	441309	252510	170305	0	13290	126060	0	0	2254876	11274	2266150	2.27
		69	Kolayat	2963654	321072	611610	479595	32	13782	360171	3690	0	4753607	23768	4777375	4.78
		70	Lunkaransar	3305648	526723	550719	281531	128	28559	508228	1327	0	5202862	26014	5228876	5.23
		71	Nokha	1870061	1504777	294362	433423	75	7629	352318	0	0	4462644	22313	4484958	4.48
			Sub Total	**13673169**	**4244835**	**2625261**	**2081455**	**10718**	**98188**	**2008324**	**5017**	**3074**	**24750041**	**123750**	**24873792**	**24.87**
9	Bundi	72	Bundi	1074117	1945906	10546	99271	979	2307	8264	19383	6129	3166903	15835	3182737	3.18
		73	Hindoli	1752425	2212887	82500	285304	2948	2779	34866	18927	0	4392636	21963	4414600	4.41
		74	Keshorai Patan	1177822	1833447	26942	179319	702	3835	35318	15362	0	3272747	16364	3289111	3.29
		75	Nainwa	1001291	1436715	62204	196422	4002	2964	5551	20814	0	2729962	13650	2743612	2.74
		76	Talera	1002732	1858937	10299	84324	692	2164	4975	17124	0	2981247	14906	2996153	3
			Sub Total	**6008387**	**9287892**	**192491**	**844640**	**9324**	**14049**	**88974**	**91610**	**6129**	**16543495**	**82717**	**16626212**	**16.62**
10	Chittaurgarh	77	Bari Sadri	777354	1133863	10991	88884	756	1528	0	2197	0	2015573	10078	2025650	2.03
		78	Begun	1632615	1259455	16708	136483	309	420	13404	18202	0	3077597	15388	3092985	3.09
		79	Bhadesar	908788	1361593	28265	140180	777	605	54437	3504	0	2498148	12491	2510639	2.51
		80	Bhainsrorgarh	1510454	644088	3486	113979	245	236	5098	8997	0	2286583	11433	2298016	2.3
		81	Bhopalsagar	414110	627274	12699	53814	522	431	0	580	0	1109429	5547	1114977	1.11
		82	Chittaurgarh	1602801	1734750	19381	177372	1032	1887	21133	9578	3064	3570999	17855	3588854	3.59
		83	Dungla	736937	1249164	26807	96523	1235	1610	0	4789	0	2117064	10585	2127649	2.13
		84	Gangrar	1157613	771475	32017	119678	724	185	9292	974	0	2091958	10460	2102418	2.1
		85	Kapasan	828242	1254579	25398	107632	1032	851	0	1161	0	2218895	11094	2229989	2.23
		86	Nimbahera	1328022	1446139	23090	105820	873	1948	3824	23530	0	2933246	14666	2947912	2.95
		87	Rashmi	692438	884533	40032	99085	1298	656	452	9515	0	1728011	8640	1736651	1.74
			Sub Total	**11589376**	**12366913**	**238873**	**1239449**	**8802**	**10357**	**107640**	**83027**	**3064**	**25647502**	**128238**	**25775740**	**25.78**
11	Churu	88	Churu	550268	636998	169150	288619	585	9198	153607	0	13642	1822068	9110	1831179	1.83
		89	Rajgarh	710362	2460093	204117	253277	564	5189	410702	663	0	4044968	20225	4065193	4.07
		90	Ratangarh	723228	598733	250742	330828	373	6830	111711	954	0	2023398	10117	2033515	2.03

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption - ->(Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		91	Sardar Shahar	1839116	824369	452486	375095	255	16530	467030	187	0	3975068	19875	3994944	3.99
		92	Sujangarh	849892	1294578	246002	522085	947	5199	204549	726	0	3123979	15620	3139599	3.14
		93	Taranagar	597296	949184	152627	184601	373	7711	316753	1804	0	2210348	11052	2221400	2.22
			Sub Total	**5270163**	**6763955**	**1475124**	**1954505**	**3097**	**50658**	**1664352**	**4333**	**13642**	**17199829**	**85999**	**17285829**	**17.28**
12	Dausa	94	Bandikui	288754	2752355	25457	139992	298	400	23970	12812	0	3244038	16220	3260258	3.26
		95	Dausa	900913	2673643	77533	214449	2097	636	33632	30557	2260	3935719	19679	3955398	3.96
		96	Lalsot	1473852	2659911	36339	262921	277	1425	69896	33439	0	4538060	22690	4560750	4.56
		97	Mahwa	164508	2429428	22939	69556	319	728	25122	25458	0	2738058	13690	2751748	2.75
		98	Sikrai	299890	2766326	35582	118043	617	585	33386	30246	0	3284675	16423	3301098	3.3
			Sub Total	**3127918**	**13281662**	**197850**	**804960**	**3608**	**3774**	**186006**	**132512**	**2260**	**17740550**	**88703**	**17829253**	**17.83**
13	Dhaulpur	99	Bari	268391	2206186	8038	74607	117	564	3536	6219	0	2567658	12838	2580496	2.58
		100	Baseri	821609	2505807	3687	107169	21	41	2549	25872	0	3466756	17334	3484090	3.48
		101	Dhaulpur	1595171	3802120	5230	101723	415	882	1192	2529	980	5510243	27551	5537794	5.54
		102	Rajakhera	155879	1239171	1718	47519	1000	1733	617	4872	0	1452510	7263	1459772	1.46
			Sub Total	**2841050**	**9753285**	**18673**	**331018**	**1554**	**3220**	**7894**	**39492**	**980**	**12997166**	**64986**	**13062152**	**13.06**
14	Dungarpur	103	Aspur	1569549	1786028	58356	150021	990	1938	18913	0	0	3585797	17929	3603726	3.6
		104	Bichhiwara	2229157	1199711	106021	221589	564	6245	13157	0	0	3776445	18882	3795327	3.8
		105	Dungarpur	1154596	616594	53406	110792	277	3117	6578	0	25473	1970834	9854	1980688	1.98
		106	Sagwara	2042910	2317149	62892	235799	1267	9239	31577	18596	0	4719428	23597	4743025	4.74
		107	Simalwara	2470906	1717099	69107	207615	309	3825	6455	0	0	4475316	22377	4497692	4.5
			Sub Total	**9467119**	**7636581**	**349782**	**925818**	**3406**	**24365**	**76680**	**18596**	**25473**	**18527819**	**92639**	**18620458**	**18.62**
15	Ganganagar	108	Anupgarh	2511279	1639195	222922	195986	564	8163	79682	2591	0	4660381	23302	4683683	4.68
		109	Ganganagar	1860478	1221580	72174	61009	1980	923	32193	1804	14168	3266309	16332	3282641	3.28
		110	Ghadsana	1106371	794781	134052	124786	245	3938	54108	1721	0	2220001	11100	2231101	2.23
		111	Karanpur	1075426	607559	59117	53916	2512	851	9087	83	0	1808550	9043	1817593	1.82
		112	Padampur	2651275	1594199	137637	49152	2171	687	85726	228	0	4521075	22605	4543680	4.54
		113	Raisinghnagar	1479709	959984	84021	92454	1267	1877	80422	663	0	2700396	13502	2713898	2.71
		114	Sadulshahar	1025448	837742	80420	49733	2012	1374	118084	2135	0	2116947	10585	2127532	2.13
		115	Suratgarh	2611634	1349865	448374	251270	170	18735	336489	3193	0	5019731	25099	5044830	5.04
			Sub Total	**14321619**	**9004905**	**1238717**	**878306**	**10920**	**36547**	**795789**	**12418**	**14168**	**26313390**	**131567**	**26444957**	**26.43**
16	Hanumangarh	116	Bhadra	788113	2394874	145135	90256	149	11803	547041	995	0	3978367	19892	3998258	4
		117	Hanumangarh	1957594	1945368	100870	97395	1926	1948	147974	0	29555	4282631	21413	4304044	4.3
		118	Nohar	1419837	1745640	200621	147047	75	13300	579769	207	0	4106496	20532	4127029	4.13
		119	Pilibanga	1498098	1147834	100531	63474	756	2635	122647	12397	0	2948373	14742	2963115	2.96
		120	Rawatsar	1475893	936529	287512	147986	149	17812	288466	891	0	3155239	15776	3171015	3.17

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption - ->(Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		121	Sangariya	1002000	919895	49146	37530	2522	718	144562	0	0	2156374	10782	2167156	2.17
		122	Tibi	1192551	1309866	46902	51878	3651	964	64551	415	0	2670777	13354	2684131	2.68
			Sub Total	**9334088**	**10400005**	**930718**	**635566**	**9228**	**49181**	**1895010**	**14906**	**29555**	**23298256**	**116491**	**23414748**	**23.41**
17	Jaipur	123	Amber	2467179	3660851	39094	222600	756	51	25080	13910	0	6429522	32148	6461670	6.46
		124	Bassi	1348297	1806731	15882	134265	1000	82	35647	25478	0	3367383	16837	3384220	3.38
		125	Chaksu	758477	1514230	90851	138221	894	502	27383	7981	0	2538540	12693	2551232	2.55
		126	Dudu	1015820	1618911	301801	179428	543	0	2385	14823	0	3133711	15669	3149379	3.15
		127	Govindgarh	2457907	4494973	31076	167261	1469	1005	38690	16419	0	7208799	36044	7244843	7.24
		128	Jamwa Ramgarh	1052112	2340903	50377	365964	926	390	36593	36818	0	3884083	19420	3903504	3.9
		129	Jhotwara	828885	1531433	10563	46480	149	513	11841	4229	57077	2491170	12456	2503626	2.5
		130	Kotputli	344678	3269025	52547	144437	1405	1456	53985	17932	0	3885464	19427	3904892	3.9
		131	Phagi	678108	1530625	174756	125660	1288	933	15007	20461	0	2546839	12734	2559573	2.56
		132	Sambhar	2354158	3244553	272163	377434	532	892	72857	37171	0	6359759	31799	6391558	6.39
		133	Sanganer	660650	1550849	28350	63629	649	267	15706	13517	0	2333617	11668	2345285	2.35
		134	Shahpura	452287	2401037	24920	183020	617	749	32440	39472	0	3134542	15673	3150215	3.15
		135	Viratnagar	252064	1159442	19127	143043	53	1015	21586	6675	0	1603006	8015	1611021	1.61
			Sub Total	**14670622**	**30123564**	**1111507**	**2291442**	**10282**	**7855**	**389199**	**254886**	**57077**	**48916434**	**244582**	**49161017**	**49.14**
18	Jaisalmer	136	Jaisalmer	3111947	28332	2084453	1129696	2831	63661	749945	3234	3020	7177118	35886	7213003	7.21
		137	Sam	1271145	9215	841822	595202	3608	19289	433233	0	0	3173515	15868	3189382	3.19
		138	Sankra	3175190	52804	1363816	946818	1458	22458	421022	1430	0	5984996	29925	6014921	6.01
			Sub Total	**7558282**	**90350**	**4290091**	**2671716**	**7897**	**105407**	**1604201**	**4664**	**3020**	**16335629**	**81678**	**16417307**	**16.41**
19	Jalore	139	Ahore	746786	1125127	656411	226213	1394	4645	44035	9080	0	2813693	14068	2827761	2.83
		140	Bhinmal	934919	1875421	306649	190097	1735	11926	34743	21	0	3355511	16778	3372288	3.37
		141	Chitalwana	1553489	2156224	196313	168002	4130	3322	91975	0	0	4173455	20867	4194322	4.19
		142	Jalore	473449	1373231	294368	172033	1181	6789	24217	28588	2382	2376238	11881	2388119	2.39
		143	Jaswantpura	446963	1655859	156521	145648	2033	2112	28945	788	0	2438868	12194	2451063	2.45
		144	Raniwara	743060	1970797	174147	134095	1032	2687	21380	332	0	3047530	15238	3062768	3.06
		145	Sanchore	1079530	1498374	136422	116746	2863	2307	63934	0	0	2900177	14501	2914678	2.91
		146	Sayla	345831	1754316	148203	124883	2586	2205	24135	13226	0	2415386	12077	2427462	2.43
			Sub Total	**6324027**	**13409349**	**2069035**	**1277717**	**16955**	**35994**	**333364**	**52035**	**2382**	**23520858**	**117604**	**23638462**	**23.63**
20	Jhalawar	147	Bakani	1392597	1394472	3213	121728	511	2646	1645	6468	0	2923278	14616	2937894	2.94
		148	Dag	2874612	2239065	8410	241126	4928	4953	3865	13206	0	5390165	26951	5417116	5.42
		149	Jhalrapatan	1714758	2233411	11583	165414	1160	1364	2302	19135	9434	4158560	20793	4179353	4.18
		150	Khanpur	913624	1321175	11534	111681	319	1025	2714	41006	0	2403078	12015	2415093	2.42

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption - ->(Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		151	Manohar Thana	1203532	1018143	3716	110289	234	749	2508	3814	0	2342986	11715	2354701	2.35
		152	Pirawa	1410276	1649726	7653	127991	2970	1548	822	7795	0	3208781	16044	3224825	3.22
			Sub Total	**9509399**	**9855990**	**46108**	**878230**	**10122**	**12285**	**13856**	**91423**	**9434**	**20426847**	**102134**	**20528982**	**20.53**
21	Jhunjhunun	153	Alsisar	1302978	2003886	91492	108809	1064	1159	203357	4125	0	3716871	18584	3735455	3.74
		154	Buhana	181789	860270	41138	40013	511	872	78119	1658	0	1204370	6022	1210392	1.21
		155	Chirawa	558410	858804	39209	46632	458	492	87124	1762	0	1592890	7964	1600855	1.6
		156	Jhunjhunun	1393195	1793956	126136	392466	1192	3005	153278	311	2531	3866071	19330	3885401	3.89
		157	Khetri	218457	1550700	110225	213126	468	984	77955	3110	0	2175024	10875	2185899	2.19
		158	Nawalgarh	956570	1764787	61974	263471	1394	1077	91358	6696	0	3147328	15737	3163064	3.16
		159	Surajgarh	222184	1051411	50282	48906	628	1056	92715	2032	0	1469214	7346	1476560	1.48
		160	Udaipurwati	596986	1832998	90805	286288	1064	3405	113561	23094	0	2948201	14741	2962942	2.96
			Sub Total	**5430567**	**11716812**	**611261**	**1399712**	**6780**	**12049**	**897467**	**42789**	**2531**	**20119968**	**100600**	**20220568**	**20.23**
22	Jodhpur	161	Balesar	1125892	377555	278444	413164	383	3928	78901	788	0	2279054	11395	2290449	2.29
		162	Bap	2269796	306532	584264	494339	500	10347	296894	0	0	3962673	19813	3982486	3.98
		163	Bawari	918593	642263	347379	213853	287	3046	42966	1472	0	2169858	10849	2180707	2.18
		164	Bhopalgarh	1188381	1947911	406571	335216	394	5097	70348	995	0	3954912	19775	3974687	3.97
		165	Bilara	983655	1374248	271604	182172	1235	4256	31371	270	0	2848810	14244	2863054	2.86
		166	Luni	1611297	932789	207221	227779	298	2502	81450	10801	0	3074137	15371	3089508	3.09
		167	Mandor	1233767	1045816	336329	167936	553	1200	59412	0	2482	2847495	14237	2861732	2.86
		168	Osian	1836631	1284556	36444	427708	575	6091	86178	2965	0	3681147	18406	3699553	3.7
		169	Phalodi	1712318	231260	440764	372924	373	7804	223997	0	0	2989440	14947	3004387	3
		170	Shergarh	1219725	408998	301649	447593	426	4256	70431	871	0	2453949	12270	2466219	2.47
			Sub Total	**14100056**	**8551929**	**3210670**	**3282683**	**5024**	**48525**	**1041947**	**18160**	**2482**	**30261475**	**151307**	**30412782**	**30.4**
23	Karauli	171	Hindaun	229260	3078123	30526	93269	617	400	37086	37564	0	3506846	17534	3524381	3.52
		172	Karauli	786294	2753731	28419	214451	255	2687	51435	21228	2357	3860858	19304	3880163	3.88
		173	Nadoti	303684	1343164	33979	117442	905	4020	12664	28920	0	1844776	9224	1854000	1.85
		174	Sapotra	1145657	3359615	54107	376914	1746	3569	52628	41503	0	5035737	25179	5060916	5.06
		175	Todabhim	174868	2372346	31767	93951	660	810	22984	34600	0	2731985	13660	2745645	2.75
			Sub Total	**2639762**	**12906979**	**178798**	**896027**	**4183**	**11485**	**176796**	**163816**	**2357**	**16980203**	**84901**	**17065104**	**17.06**
24	Kota	176	Itawa	1012670	1372901	22929	102784	575	1866	1357	23136	0	2538218	12691	2550910	2.55
		177	Khairabad	790110	985802	3677	85363	255	338	26519	15341	0	1907406	9537	1916943	1.92
		178	Ladpura	1324273	2214593	10928	95555	404	420	39676	12024	6411	3704285	18521	3722806	3.72
		179	Sangod	994880	1441980	10981	98222	607	400	64633	24069	0	2635771	13179	2648950	2.65
		180	Sultanpur	991575	1296672	20908	83833	479	2605	1398	35222	0	2432691	12163	2444855	2.44

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption - ->(Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
			Sub Total	**5113508**	**7311949**	**69423**	**465757**	**2320**	**5630**	**133584**	**109791**	**6411**	**13218372**	**66092**	**13284464**	**13.28**
25	Nagaur	181	Degana	1078332	2103869	296077	293882	2874	5650	56904	4789	0	3842376	19212	3861588	3.86
		182	Didwana	984609	1801795	221753	406924	1533	1354	54478	1513	0	3473959	17370	3491328	3.49
		183	Jayal	792195	1257361	182333	270155	1320	2194	62084	207	0	2567850	12839	2580689	2.58
		184	Kuchaman City	1226979	2439421	423372	350389	1032	3322	100897	7069	0	4552481	22762	4575244	4.58
		185	Ladnun	602620	696623	116512	271265	883	1179	52669	311	0	1742062	8710	1750772	1.75
		186	Makrana	639510	1141163	149246	219397	404	790	28534	6510	0	2185553	10928	2196481	2.2
		187	Merta	703153	1293531	224890	170259	1149	974	18379	3172	0	2415507	12078	2427585	2.43
		188	Mundwa	725358	654798	209275	277572	245	933	50037	0	0	1918218	9591	1927809	1.93
		189	Nagaur	1151225	1587707	344321	508669	468	1702	93990	0	3770	3691853	18459	3710312	3.71
		190	Parbatsar	695167	1279859	250577	304643	926	2400	37209	15714	0	2586495	12932	2599428	2.6
		191	Riyan	552465	1016348	176698	133774	905	769	14432	2488	0	1897877	9489	1907366	1.91
			Sub Total	**9151612**	**15272474**	**2595054**	**3206927**	**11740**	**21268**	**569613**	**41773**	**3770**	**30874231**	**154371**	**31028602**	**31.04**
26	Pali	192	Bali	1126535	1443267	304506	247385	1682	4902	25327	16668	0	3170272	15851	3186123	3.19
		193	Desuri	862803	1435339	416973	186944	1980	3394	64387	31428	0	3003247	15016	3018263	3.02
		194	Jaitaran	991042	1429086	332728	216134	1820	2000	13527	17621	0	3003958	15020	3018978	3.02
		195	Kharchi (Marwar Junction)	535095	779733	184858	129953	1000	1272	39019	6074	0	1677003	8385	1685388	1.69
		196	Pali	812559	850966	501665	160323	1288	3804	45638	6468	0	2382710	11914	2394624	2.39
		197	Raipur	778774	1029003	203995	206314	213	3958	24258	14035	9391	2269941	11350	2281291	2.28
		198	Rani Station	314243	458212	108566	76318	585	615	21503	3566	0	983608	4918	988527	0.99
		199	Rohat	767195	737131	377250	124321	436	5302	43665	0	0	2055299	10276	2065575	2.07
		200	Sojat	954618	1176704	328486	192809	1330	1579	39265	10718	0	2705510	13528	2719037	2.72
		201	Sumerpur	446120	677176	241575	87797	1267	738	24381	5971	0	1485025	7425	1492450	1.49
			Sub Total	**7588983**	**10016616**	**3000602**	**1628297**	**11601**	**27564**	**340970**	**112548**	**9391**	**22736573**	**113683**	**22850256**	**22.86**
27	Pratapgarh	202	Arnod	1160763	688186	849	74314	500	1066	452	4063	0	1930194	9651	1939845	1.94
		203	Chhoti Sadri	1276580	1091380	11715	98625	362	954	0	2550	0	2482165	12411	2494576	2.49
		204	Dhariawad	3184196	2093308	124533	266179	266	3661	12417	767	0	5685328	28427	5713754	5.71
		205	Peepalkhoont	1670548	827451	5030	133545	128	1487	5962	0	0	2644149	13221	2657370	2.66
		206	Pratapgarh	2855801	1748602	12603	167487	617	1066	5509	41	3064	4794793	23974	4818767	4.82
			Sub Total	**10147889**	**6448927**	**154730**	**740149**	**1873**	**8234**	**24340**	**7422**	**3064**	**17536630**	**87683**	**17624313**	**17.62**
28	Rajsamand	207	Amet	659009	883127	59363	140752	1213	605	9457	5577	0	1759103	8796	1767898	1.77
		208	Bhim	801135	592600	120244	276607	213	297	5345	3275	0	1799717	8999	1808715	1.81

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption - ->(Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		209	Deogarh	639665	621650	122548	201704	1181	595	12664	8106	0	1608114	8041	1616154	1.62
		210	Khamnor	1395813	1290569	31425	219587	1746	8819	47365	2239	0	2997563	14988	3012550	3.01
		211	Kumbhalgarh	830394	1637759	13222	142020	1000	3989	15994	3773	0	2648151	13241	2661392	2.66
		212	Railmagra	1174206	1154386	37438	83909	1352	205	0	498	0	2451994	12260	2464254	2.46
		213	Rajsamand	1010275	1094611	27873	133051	1628	1149	11512	4022	3623	2287744	11439	2299183	2.3
			Sub Total	**6510496**	**7274702**	**412114**	**1197631**	**8334**	**15659**	**102336**	**27489**	**3623**	**15552385**	**77762**	**15630147**	**15.63**
29	Sawaimadhopur	214	Bamanwas	443436	1369640	31184	143863	649	1723	19941	34227	0	2044663	10223	2054886	2.05
		215	Bonli	387890	821736	73343	113893	766	1036	19900	21602	0	1440166	7201	1447366	1.45
		216	Gangapur	215773	1946056	27188	83428	766	923	33345	32444	0	2339922	11700	2351622	2.35
		217	Khandar	617128	1779477	52721	365624	1107	1815	38977	43203	0	2900051	14500	2914552	2.91
		218	Sawai Madhopur	883943	2224406	75035	243696	969	3199	44528	58668	4286	3538729	17694	3556423	3.56
			Sub Total	**2548169**	**8141315**	**259471**	**950503**	**4257**	**8696**	**156691**	**190144**	**4286**	**12263532**	**61318**	**12324849**	**12.32**
30	Sikar	219	Danta Ramgarh	891818	1799072	166711	242807	713	872	57438	16979	0	3176410	15882	3192292	3.19
		220	Dhond	698982	1413559	130985	190776	553	677	45104	13351	0	2493987	12470	2506457	2.51
		221	Fatehpur	387446	633228	110735	273093	319	2000	63934	0	0	1470756	7354	1478110	1.48
		222	Khandela	620499	2991094	63419	292106	915	1159	79641	21498	0	4070331	20352	4090683	4.09
		223	Lachhmangarh	1033056	1702709	174944	377803	1352	585	105420	332	0	3396200	16981	3413181	3.41
		224	Neem Ka Thana	378440	2580420	92062	440466	1309	2779	66895	27904	0	3590275	17951	3608227	3.61
		225	Piprali	2657398	3274141	246384	501905	2256	1179	149578	726	29192	6862758	34314	6897072	6.9
		226	Srimadhopur	468081	2256417	47840	220359	692	882	60111	16232	0	3070614	15353	3085967	3.09
			Sub Total	**7135721**	**16650641**	**1033079**	**2539316**	**8110**	**10132**	**628120**	**97021**	**29192**	**28131331**	**140657**	**28271988**	**28.28**
31	Sirohi	227	Abu Road	843726	625898	25737	156333	128	215	1521	0	0	1653558	8268	1661826	1.66
		228	Pindwara	1221256	976857	109975	202686	458	995	57520	0	0	2569747	12849	2582596	2.58
		229	Reodar	1012959	2261473	160336	144859	947	3886	87658	0	0	3672118	18361	3690479	3.69
		230	Sheoganj	488223	718971	252052	181771	383	4338	21257	0	7346	1674341	8372	1682713	1.68
		231	Sirohi	841884	791490	266848	118917	1139	4881	70225	0	0	2095385	10477	2105862	2.11
			Sub Total	**4408048**	**5374689**	**814947**	**804567**	**3055**	**14315**	**238182**	**0**	**7346**	**11665149**	**58326**	**11723474**	**11.72**
32	Tonk	232	Deoli	954773	1638776	115366	142812	1458	205	7524	33667	0	2894581	14473	2909054	2.91
		233	Malpura	1080173	1654064	208969	157465	1873	502	4523	31967	0	3139536	15698	3155233	3.16
		234	Niwai	1305995	2506286	291123	268133	2671	595	26931	32983	0	4434716	22174	4456890	4.46
		235	Todaraisingh	715620	1278243	99672	101063	915	10	3125	6924	0	2205572	11028	2216600	2.22
		236	Tonk	440264	1328295	47771	84291	1458	226	4769	7090	9965	1924128	9621	1933748	1.93

S.No.	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption - ->(Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		237	Uniara	608787	1472616	54982	122507	830	1610	7730	19508	0	2288569	11443	2300012	2.3
			Sub Total	**5105611**	**9878279**	**817883**	**876271**	**9207**	**3148**	**54601**	**132139**	**9965**	**16887102**	**84436**	**16971538**	**16.98**
33	Udaipur	238	Bargaon	1887075	3265495	47698	201475	479	533	8100	809	0	5411664	27058	5438722	5.44
		239	Bhindar	1302889	982781	9654	140278	192	759	13157	2094	0	2451803	12259	2464062	2.46
		240	Girwa	1658236	1250809	12291	178537	234	974	16775	2674	73757	3194289	15971	3210260	3.21
		241	Gogunda	488911	283526	24769	59248	213	1056	3947	104	0	861773	4309	866082	0.87
		242	Jhadol	1038269	585001	34130	125818	319	2236	8059	228	0	1794060	8970	1803030	1.8
		243	Kherwara	1592464	1155164	53567	200079	21	1384	6291	0	0	3008970	15045	3024015	3.02
		244	Kotra	832501	469042	18222	100882	362	1795	6743	187	0	1429733	7149	1436882	1.44
		245	Lasadiya	765598	673227	33538	141243	628	1128	5098	0	0	1620460	8102	1628563	1.63
		246	Mavli	1503089	1836858	25174	165242	713	615	57315	788	0	3589794	17949	3607743	3.61
		247	Rishabhdeo	1297676	941256	43646	163047	149	1128	5509	0	0	2452411	12262	2464674	2.46
		248	Salumbar	1554421	1366888	68096	286765	1277	2256	15254	0	0	3294957	16475	3311431	3.31
		249	Sarada	1727380	1459781	34736	198687	224	1610	21298	1285	0	3445001	17225	3462226	3.46
			Sub Total	**15648510**	**14269828**	**405521**	**1961300**	**4811**	**15474**	**167545**	**8168**	**73757**	**32554916**	**162775**	**32717690**	**32.71**
			Grand Total	**273658594**	**357552304**	**36586087**	**49175383**	**236411**	**957390**	**17073591**	**2818512**	**735201**	**738793473**	**3693967**	**742487440**	**742.41**

Table B-5.9 Water Demand for the Livestock in the year 2060

S.No	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3/ yr												
1	Ajmer	1	Arain	733266	1326172	154271	155647	256	246	432	23306	0	2393596	11968	2405564	2.41
		2	Bhinay	1532639	1763424	318476	238565	500	482	8170	15404	0	3877660	19388	3897048	3.9
		3	Jawaja	637223	840106	127761	338635	128	123	4496	14954	0	1963425	9817	1973242	1.97
		4	Kekri	1436923	2150828	281834	244291	1000	964	2075	30633	0	4148546	20743	4169289	4.17
		5	Kishangarh	1630536	2714717	384912	414724	1613	1554	30821	43961	0	5222837	26114	5248952	5.25
		6	Masooda	1097184	1479250	319413	258558	519	500	14308	35934	0	3205666	16028	3221695	3.22
		7	Peesangan	639664	1509936	198623	173151	275	265	12925	82170	0	2617011	13085	2630096	2.63
		8	Srinagar	689376	1288599	80438	278613	368	355	16124	25506	320709	2700087	13500	2713588	2.71
			Sub Total	**8396812**	**13073032**	**1865727**	**2102183**	**4659**	**4489**	**89350**	**271867**	**320709**	**26128829**	**130644**	**26259473**	**26.26**
2	Alwar	9	Bansure	286626	3123530	35228	136868	783	754	58529	11278	0	3653596	18268	3671864	3.67
		10	Behror	257737	2637714	29503	70202	744	717	87924	12428	0	3096969	15485	3112454	3.11
		11	Kathumar	196905	3012058	50386	48816	163	157	27319	43136	0	3378940	16895	3395835	3.4
		12	Kishangarh Bas	221042	1749901	16427	123376	384	370	24596	1025	0	2137120	10686	2147806	2.15
		13	Kotkasim	251828	1870043	14401	20987	205	198	21959	2051	0	2181672	10908	2192580	2.19
		14	Lachhmangarh	269532	3789400	37273	111695	81	78	33674	37184	0	4278917	21395	4300312	4.3
		15	Mandawar	197756	2794431	24794	72808	620	598	54596	5976	0	3151579	15758	3167337	3.17
		16	Nimrana	199522	1910293	20338	54226	124	120	20576	700	0	2205899	11029	2216928	2.22
		17	Rajgarh	600615	3911933	30268	376361	388	373	50143	48987	0	5019069	25095	5044164	5.04
		18	Ramgarh	321598	2583727	39344	152770	93	90	23083	16879	0	3137584	15688	3153272	3.15
		19	Reni	198868	1785797	13438	34423	66	63	16556	925	0	2050136	10251	2060387	2.06
		20	Thanagazi	386289	2238036	18271	302091	547	527	19582	20055	0	2985396	14927	3000323	3
		21	Tijara	635326	3148544	18991	117834	372	359	34365	11178	0	3966968	19835	3986803	3.99
		22	Umren	346410	2993111	20275	336003	1667	1606	34582	31233	59158	3824044	19120	3843164	3.84
			Sub Total	**4370052**	**37548518**	**368937**	**1958460**	**6237**	**6009**	**507484**	**243035**	**59158**	**45067890**	**225339**	**45293229**	**45.29**
3	Banswara	23	Anandpuri	596298	825691	9673	56992	1000	964	7003	0	0	1497619	7488	1505107	1.51
		24	Bagidora	1646322	1135842	1153	162325	915	881	3545	1625	0	2952608	14763	2967371	2.97
		25	Banswara	1926516	1223871	2455	166365	957	922	5879	25	66827	3393817	16969	3410786	3.41
		26	Chhoti Sarvan	963247	611917	1224	83180	477	459	2939	0	0	1663444	8317	1671761	1.67
		27	Garhi	1192639	1670650	19349	113989	1996	1923	14006	0	0	3014552	15073	3029625	3.03
		28	Ghatol	2006839	1206244	6971	191091	690	665	8083	0	0	3420583	17103	3437686	3.44
		29	Kushalgarh	2858671	1127956	3362	208171	1186	1143	43	225	0	4200758	21004	4221762	4.22
		30	Sajjangarh	1346963	929312	940	132807	531	512	2853	1325	0	2415244	12076	2427320	2.43
			Sub Total	**12537494**	**8731483**	**45128**	**1114920**	**7753**	**7469**	**44351**	**3201**	**66827**	**22558625**	**112793**	**22671418**	**22.68**

S.No	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
4	Baran	31	Antah	1203279	1652095	10344	122382	477	459	0	60615	0	3049652	15248	3064900	3.06
		32	Atru	821613	1371025	4788	110852	1837	1770	4798	30558	0	2347241	11736	2358977	2.36
		33	Baran	617556	943014	5945	87025	120	116	24250	13803	10297	1702127	8511	1710638	1.71
		34	Chhabra	842195	1310293	1265	88925	508	489	5101	7752	0	2256529	11283	2267811	2.27
		35	Chhipabarod	1352370	1582764	1941	129649	1081	1042	389	8502	0	3077738	15389	3093127	3.09
		36	Kishanganj	1389501	1373701	19868	90722	291	280	43	33058	0	2907464	14537	2922002	2.92
		37	Shahbad	1386688	942087	246	69018	326	314	43	35734	0	2434456	12172	2446628	2.45
			Sub Total	**7613202**	**9174980**	**44397**	**698575**	**4640**	**4470**	**34625**	**190022**	**10297**	**17775207**	**88876**	**17864084**	**17.86**
5	Barmer	38	Balotra	2007711	1109972	579792	700134	6322	6091	201783	9577	0	4621384	23107	4644491	4.64
		39	Barmer	1461648	186583	452532	739608	10264	9889	284909	0	2764	3148198	15741	3163939	3.16
		40	Baytoo	1692915	129063	752192	885907	5016	4833	253396	3926	0	3727249	18636	3745885	3.75
		41	Chohtan	2270549	986511	875911	1208868	20134	19398	677237	3176	0	6061784	30309	6092093	6.09
		42	Dhorimanna	2119758	2153076	789088	872267	6594	6353	363236	20380	0	6330752	31654	6362406	6.36
		43	Sheo	2398055	79072	1095085	1100519	16087	15499	466462	0	0	5170778	25854	5196632	5.2
		44	Sindhari	732089	59019	192813	308917	13280	12795	214665	0	0	1533577	7668	1541245	1.54
		45	Siwana	1059465	1635610	375986	343708	3221	3104	76209	54513	0	3551816	17759	3569575	3.57
			Sub Total	**13742190**	**6338907**	**5113399**	**6159927**	**80918**	**77962**	**2537897**	**91573**	**2764**	**34145537**	**170728**	**34316265**	**34.31**
6	Bharatpur	46	Bayana	348046	1020873	39012	135813	682	657	40504	37584	0	1623171	8116	1631287	1.63
		47	Deeg	338954	2274503	27813	50158	725	698	4366	42961	0	2740177	13701	2753878	2.75
		48	Kaman	210859	1890561	22290	38455	167	161	4669	36859	0	2204020	11020	2215040	2.22
		49	Kumher	316126	2367599	23749	31440	423	407	2464	29432	0	2771639	13858	2785497	2.79
		50	Nadbai	202988	2047135	20185	32227	473	456	22262	30282	0	2356008	11780	2367788	2.37
		51	Nagar Pahari	516868	4778087	92999	112289	578	556	15518	54413	0	5571310	27857	5599167	5.6
		52	Rupbas	272781	522212	18983	62051	655	631	9942	44536	0	931791	4659	936450	0.94
		53	Sewar	343031	778554	14281	29712	791	762	5533	34033	16518	1223216	6116	1229332	1.23
		54	Weir	208308	1882603	36638	88189	360	347	49192	33958	0	2299597	11498	2311095	2.31
			Sub Total	**2757962**	**17562128**	**295951**	**580333**	**4853**	**4676**	**154450**	**344060**	**16518**	**21720930**	**108605**	**21829535**	**21.84**
7	Bhilwara	55	Asind	1772519	1309045	290420	257802	686	661	40893	34859	0	3706884	18534	3725419	3.73
		56	Banera	968938	874254	108628	110730	147	142	8818	5676	0	2077333	10387	2087720	2.09
		57	Hurda	978967	753612	115483	96652	543	523	5014	8977	0	1959771	9799	1969570	1.97
		58	Jahazpur	1692305	1410525	187562	300551	1349	1300	8300	14829	0	3616720	18084	3634804	3.63
		59	Kotri	834150	617127	11520	60156	66	63	1297	33083	0	1557462	7787	1565249	1.57
		60	Mandal	1072067	1231150	212042	215588	384	370	21095	8102	0	2760798	13804	2774602	2.77
		61	Mandalgarh	1656068	1429437	128473	273863	682	657	29394	0	0	3518575	17593	3536168	3.54
		62	Raipur	568717	615557	106019	107777	171	164	10504	4026	0	1412935	7065	1420000	1.42

S.No	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		63	Sahara	1071893	1150115	93425	153183	143	138	1513	1025	0	2471435	12357	2483792	2.48
		64	Shahpura	1699674	1045352	245636	163823	694	669	29913	14929	0	3200689	16003	3216692	3.22
		65	Suwana	1598812	1517715	107288	176151	736	710	18285	12153	25951	3457802	17289	3475091	3.48
			Sub Total	**13914109**	**11953889**	**1606497**	**1916277**	**5601**	**5397**	**175026**	**137659**	**25951**	**29740405**	**148702**	**29889107**	**29.9**
8	Bikaner	66	Bikaner	2860742	722426	754118	572394	9404	9060	439964	0	3796	5371904	26860	5398764	5.4
		67	Dungargarh	1348380	1008135	284450	266567	3799	3660	255558	0	0	3170547	15853	3186400	3.19
		68	Khajuwala	1229988	526351	286278	199384	5024	4840	132534	0	0	2384399	11922	2396321	2.4
		69	Kolayat	2912939	382944	693402	561487	5210	5019	378668	4451	0	4944120	24721	4968840	4.97
		70	Lunkaransar	3249080	628224	624368	329602	10795	10401	534328	1600	0	5388401	26942	5415343	5.42
		71	Nokha	1838060	1794753	333728	507430	2884	2779	370412	0	0	4850045	24250	4874296	4.87
			Sub Total	**13439190**	**5062833**	**2976344**	**2436864**	**37116**	**35760**	**2111464**	**6051**	**3796**	**26109417**	**130547**	**26239964**	**26.25**
9	Bundi	72	Bundi	1055736	2320890	11957	116221	872	840	8689	23381	7567	3546153	17731	3563884	3.56
		73	Hindoli	1722437	2639320	93533	334019	1050	1012	36656	22831	0	4850859	24254	4875113	4.88
		74	Keshorai Patan	1157667	2186760	30544	209938	1450	1397	37132	18530	0	3643417	18217	3661634	3.66
		75	Nainwa	984156	1713576	70523	229962	1120	1079	5836	25106	0	3031358	15157	3046515	3.05
		76	Talera	985573	2217162	11677	98722	818	788	5230	20655	0	3340626	16703	3357329	3.36
			Sub Total	**5905570**	**11077708**	**218233**	**988862**	**5311**	**5117**	**93543**	**110502**	**7567**	**18412413**	**92062**	**18504475**	**18.51**
10	Chittaurgarh	77	Bari Sadri	764052	1352363	12460	104061	578	556	0	2651	0	2236721	11184	2247904	2.25
		78	Begun	1604677	1502158	18942	159788	159	153	14092	21955	0	3321925	16610	3338535	3.34
		79	Bhadesar	893237	1623977	32045	164116	229	220	57232	4226	0	2775282	13876	2789159	2.79
		80	Bhainsrorgarh	1484607	768206	3952	133441	89	86	5360	10853	0	2406594	12033	2418627	2.42
		81	Bhopalsagar	407024	748153	14397	63002	163	157	0	700	0	1233596	6168	1239764	1.24
		82	Chittaurgarh	1575374	2069044	21973	207658	713	687	22219	11553	3783	3913004	19565	3932569	3.93
		83	Dungla	724327	1489883	30391	113004	609	586	0	5776	0	2364576	11823	2376399	2.38
		84	Gangrar	1137804	920142	36299	140113	70	67	9769	1175	0	2245439	11227	2256666	2.26
		85	Kapasan	814069	1496341	28794	126010	322	310	0	1400	0	2467247	12336	2479583	2.48
		86	Nimbahera	1305297	1724816	26178	123889	736	710	4020	28382	0	3214028	16070	3230098	3.23
		87	Rashmi	680589	1054986	45386	116004	248	239	475	11478	0	1909405	9547	1918952	1.92
			Sub Total	**11391056**	**14750069**	**270818**	**1451085**	**3915**	**3772**	**113168**	**100150**	**3783**	**28087816**	**140439**	**28228255**	**28.24**
11	Churu	88	Churu	540852	759750	191771	337901	3477	3350	161496	0	16843	2015440	10077	2025517	2.03
		89	Rajgarh	698206	2934164	231414	296525	1961	1890	431794	800	0	4596754	22984	4619738	4.62
		90	Ratangarh	710852	714112	284274	387317	2582	2487	117448	1150	0	2220222	11101	2231323	2.23
		91	Sardar Shahar	1807644	983229	512998	439143	6249	6020	491015	225	0	4246522	21233	4267755	4.27
		92	Sujangarh	835349	1544049	278901	611231	1965	1893	215054	875	0	3489318	17447	3506764	3.51
		93	Taranagar	587075	1132096	173038	216121	2915	2808	333020	2176	0	2449249	12246	2461495	2.46

S.No	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
			Sub Total	**5179978**	**8067398**	**1672396**	**2288238**	**19149**	**18449**	**1749827**	**5226**	**16843**	**19017505**	**95088**	**19112592**	**19.12**
12	Dausa	94	Bandikui	283813	3282745	28861	163896	151	146	25201	15454	0	3800267	19001	3819269	3.82
		95	Dausa	885496	3188865	87902	251066	240	232	35360	36859	2790	4488809	22444	4511253	4.51
		96	Lalsot	1448631	3172487	41199	307815	539	519	73486	40335	0	5085010	25425	5110435	5.11
		97	Mahwa	161693	2897589	26007	81433	275	265	26412	30708	0	3224382	16122	3240503	3.24
		98	Sikrai	294758	3299409	40340	138199	221	213	35100	36484	0	3844724	19224	3863948	3.86
			Sub Total	**3074393**	**15841094**	**224309**	**942407**	**1426**	**1374**	**195559**	**159839**	**2790**	**20443192**	**102216**	**20545408**	**20.54**
13	Dhaulpur	99	Bari	263798	2631327	9113	87346	213	205	3718	7502	0	3003222	15016	3018238	3.02
		100	Baseri	807550	2988686	4180	125469	16	15	2680	31208	0	3959803	19799	3979602	3.98
		101	Dhaulpur	1567874	4534805	5930	119093	333	321	1254	3051	1210	6233870	31169	6265039	6.27
		102	Rajakhera	153212	1477965	1948	55633	655	631	648	5876	0	1696568	8483	1705051	1.71
			Sub Total	**2792433**	**11632784**	**21170**	**387540**	**1217**	**1173**	**8300**	**47637**	**1210**	**14893463**	**74467**	**14967930**	**14.98**
14	Dungarpur	103	Aspur	1542691	2130204	66160	175638	733	706	19884	0	0	3936015	19680	3955695	3.96
		104	Bichhiwara	2191011	1430900	120200	259426	2361	2274	13833	0	0	4020005	20100	4040105	4.04
		105	Dungarpur	1134839	735414	60548	129710	1178	1135	6916	0	31450	2101191	10506	2111697	2.11
		106	Sagwara	2007951	2763673	71303	276062	3493	3365	33198	22431	0	5181475	25907	5207383	5.21
		107	Simalwara	2428623	2047991	78348	243066	1446	1393	6787	0	0	4807654	24038	4831692	4.83
			Sub Total	**9305114**	**9108182**	**396559**	**1083902**	**9210**	**8874**	**80618**	**22431**	**31450**	**20046340**	**100232**	**20146572**	**20.15**
15	Ganganagar	108	Anupgarh	2468305	1955074	252733	229451	3086	2973	83774	3126	0	4998522	24993	5023515	5.02
		109	Ganganagar	1828641	1456984	81826	71427	349	336	33847	2176	17493	3493078	17465	3510543	3.51
		110	Ghadsana	1087438	947939	151980	146093	1488	1434	56887	2076	0	2395334	11977	2407311	2.41
		111	Karanpur	1057023	724638	67022	63122	322	310	9553	100	0	1922090	9610	1931701	1.93
		112	Padampur	2605906	1901408	156044	57544	260	250	90128	275	0	4811815	24059	4835874	4.84
		113	Raisinghnagar	1454387	1144977	95257	108241	709	683	84552	800	0	2889607	14448	2904055	2.9
		114	Sadulshahar	1007900	999179	91174	58225	519	500	124148	2576	0	2284221	11421	2295642	2.3
		115	Suratgarh	2566943	1609990	508337	294175	7082	6823	353769	3851	0	5350970	26755	5377725	5.38
			Sub Total	**14076543**	**10740188**	**1404373**	**1028277**	**13815**	**13310**	**836658**	**14979**	**17493**	**28145637**	**140728**	**28286365**	**28.29**
16	Hanumangarh	116	Bhadra	774627	2856376	164544	105668	4462	4299	575135	1200	0	4486310	22432	4508742	4.51
		117	Hanumangarh	1924095	2320248	114360	114025	736	710	155574	0	36491	4666239	23331	4689570	4.69
		118	Nohar	1395540	2082032	227451	172155	5028	4844	609543	250	0	4496844	22484	4519328	4.52
		119	Pilibanga	1472462	1369027	113975	74312	996	960	128946	14954	0	3175632	15878	3191510	3.19
		120	Rawatsar	1450637	1117002	325962	173255	6733	6487	303280	1075	0	3384431	16922	3401354	3.4
		121	Sangariya	984854	1097162	55719	43938	271	261	151986	0	0	2334192	11671	2345863	2.35
		122	Tibi	1172144	1562283	53174	60736	364	351	67866	500	0	2917419	14587	2932006	2.93
			Sub Total	**9174360**	**12404130**	**1055185**	**744089**	**18591**	**17912**	**1992330**	**17979**	**36491**	**25461067**	**127305**	**25588372**	**25.59**

S.No	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
17	Jaipur	123	Amber	2424960	4366313	44322	260609	19	19	26368	16779	0	7139389	35697	7175086	7.18
		124	Bassi	1325225	2154896	18006	157190	31	30	37478	30733	0	3723588	18618	3742206	3.74
		125	Chaksu	745498	1806029	103000	161822	190	183	28789	9627	0	2855139	14276	2869414	2.87
		126	Dudu	998437	1930882	342161	210066	0	0	2507	17879	0	3501933	17510	3519443	3.52
		127	Govindgarh	2415846	5361174	35232	195821	380	366	40677	19805	0	8069300	40346	8109646	8.11
		128	Jamwa Ramgarh	1034108	2792005	57115	428453	147	142	38472	44411	0	4394852	21974	4416827	4.42
		129	Jhotwara	814701	1826546	11975	54416	194	187	12449	5101	70472	2796042	13980	2810022	2.81
		130	Kotputli	338779	3898980	59574	169100	550	530	56757	21630	0	4545901	22730	4568631	4.57
		131	Phagi	666504	1825583	198127	147117	353	340	15778	24681	0	2878482	14392	2892875	2.89
		132	Sambhar	2313873	3869792	308561	441881	337	325	76598	44836	0	7056202	35281	7091483	7.09
		133	Sanganer	649345	1849704	32142	74493	101	97	16513	16304	0	2638699	13193	2651892	2.65
		134	Shahpura	444547	2863727	28253	214271	283	273	34106	47612	0	3633071	18165	3651237	3.65
		135	Viratnagar	247751	1382871	21685	167467	384	370	22694	8052	0	1851274	9256	1860531	1.86
			Sub Total	**14419574**	**35928502**	**1260152**	**2682706**	**2969**	**2861**	**409186**	**307451**	**70472**	**55083873**	**275419**	**55359292**	**55.36**
18	Jaisalmer	136	Jaisalmer	3058694	33791	2363212	1322592	24064	23185	788460	3901	3728	7621627	38108	7659735	7.66
		137	Sam	1249393	10990	954401	696833	7291	7025	455482	0	0	3381417	16907	3398324	3.4
		138	Sankra	3120855	62979	1546203	1108488	8489	8179	442644	1725	0	6299563	31498	6331061	6.33
			Sub Total	**7428943**	**107761**	**4863816**	**3127913**	**39844**	**38389**	**1686586**	**5626**	**3728**	**17302606**	**86513**	**17389119**	**17.39**
19	Jalore	139	Ahore	734007	1341944	744195	264839	1756	1692	46296	10953	0	3145682	15728	3161410	3.16
		140	Bhinmal	918921	2236823	347658	222556	4508	4343	36527	25	0	3771361	18857	3790218	3.79
		141	Chitalwana	1526905	2571738	222566	196689	1256	1210	96699	0	0	4617062	23085	4640147	4.64
		142	Jalore	465347	1637858	333735	201407	2566	2472	25461	34483	2941	2706272	13531	2719803	2.72
		143	Jaswantpura	439314	1974949	177453	170517	799	769	30432	950	0	2795183	13976	2809159	2.81
		144	Raniwara	730344	2350578	197436	156992	1016	978	22478	400	0	3460223	17301	3477524	3.48
		145	Sanchore	1061056	1787117	154667	136681	872	840	67218	0	0	3208451	16042	3224493	3.22
		146	Sayla	339913	2092380	168022	146207	833	803	25374	15954	0	2789487	13947	2803435	2.8
			Sub Total	**6215808**	**15993387**	**2345732**	**1495888**	**13606**	**13109**	**350484**	**62765**	**2941**	**26493721**	**132469**	**26626190**	**26.62**
20	Jhalawar	147	Bakani	1368766	1663192	3642	142513	1000	964	1729	7802	0	3189608	15948	3205556	3.21
		148	Dag	2825421	2670542	9535	282299	1872	1804	4063	15929	0	5811465	29057	5840522	5.84
		149	Jhalrapatan	1685415	2663798	13132	193658	516	497	2421	23081	11647	4594164	22971	4617135	4.62
		150	Khanpur	897990	1575770	13076	130751	388	373	2853	49462	0	2670663	13353	2684017	2.68
		151	Manohar Thana	1182937	1214343	4213	129121	283	273	2637	4601	0	2538408	12692	2551100	2.55
		152	Pirawa	1386143	1967635	8676	149846	585	564	865	9402	0	3523716	17619	3541335	3.54
			Sub Total	**9346672**	**11755281**	**52274**	**1028188**	**4644**	**4474**	**14567**	**110277**	**11647**	**22328025**	**111640**	**22439665**	**22.44**
21	Jhunjhunun	153	Alsisar	1280681	2390043	103728	127388	438	422	213800	4976	0	4121477	20607	4142084	4.14

S.No	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3/yr												
		154	Buhana	178678	1026047	46640	46846	329	317	82131	2000	0	1382989	6915	1389904	1.39
		155	Chirawa	548854	1024299	44453	54595	186	179	91598	2126	0	1766289	8831	1775120	1.78
		156	Jhunjhunun	1369355	2139659	143005	459480	1136	1094	161150	375	3125	4278378	21392	4299770	4.3
		157	Khetri	214719	1849526	124965	249517	372	359	81958	3751	0	2525167	12626	2537793	2.54
		158	Nawalgarh	940201	2104869	70262	308459	407	392	96050	8077	0	3528717	17644	3546361	3.55
		159	Surajgarh	218382	1254022	57006	57257	399	385	97477	2451	0	1687378	8437	1695815	1.7
		160	Udaipurwati	586770	2186225	102948	335172	1287	1240	119393	27857	0	3360891	16804	3377696	3.38
			Sub Total	**5337638**	**13974691**	**693006**	**1638713**	**4555**	**4388**	**943558**	**51613**	**3125**	**22651287**	**113256**	**22764543**	**22.78**
22	Jodhpur	161	Balesar	1106625	450312	315681	483712	1485	1430	82953	950	0	2443147	12216	2455363	2.46
		162	Bap	2230955	365602	662399	578748	3911	3768	312142	0	0	4157525	20788	4178312	4.18
		163	Bawari	902874	766030	393835	250368	1151	1109	45172	1775	0	2362315	11812	2374126	2.37
		164	Bhopalgarh	1168045	2323281	460943	392454	1927	1856	73961	1200	0	4423667	22118	4445786	4.45
		165	Bilara	966823	1639071	307926	213278	1609	1550	32982	325	0	3163563	15818	3179381	3.18
		166	Luni	1583724	1112542	234933	266673	946	911	85633	13028	0	3298389	16492	3314881	3.31
		167	Mandor	1212655	1247350	381308	196611	454	437	62463	0	3064	3104340	15522	3119861	3.12
		168	Osian	1805202	1532095	41318	500739	2303	2218	90604	3576	0	3978055	19890	3997945	4
		169	Phalodi	1683017	275825	499709	436601	2950	2842	235500	0	0	3136444	15682	3152126	3.15
		170	Shergarh	1198853	487814	341990	524019	1609	1550	74048	1050	0	2630933	13155	2644088	2.64
			Sub Total	**13858772**	**10199921**	**3640041**	**3843202**	**18343**	**17673**	**1095457**	**21905**	**3064**	**32698378**	**163492**	**32861870**	**32.86**
23	Karauli	171	Hindaun	225337	3671291	34608	109195	151	146	38991	45311	0	4125030	20625	4145655	4.15
		172	Karauli	772839	3284387	32220	251068	1016	978	54077	25606	2910	4425101	22126	4447227	4.45
		173	Nadoti	298487	1601997	38523	137495	1520	1464	13314	34884	0	2127683	10638	2138322	2.14
		174	Sapotra	1126052	4007026	61343	441272	1349	1300	55330	50062	0	5743735	28719	5772453	5.77
		175	Todabhim	171875	2829507	36015	109993	306	295	24164	41735	0	3213891	16069	3229961	3.23
			Sub Total	**2594590**	**15394208**	**202709**	**1049024**	**4341**	**4183**	**185876**	**197599**	**2910**	**19635440**	**98177**	**19733617**	**19.74**
24	Kota	176	Itawa	995341	1637465	25995	120334	705	680	1426	27907	0	2809855	14049	2823904	2.82
		177	Khairabad	776589	1175771	4168	99939	128	123	27881	18505	0	2103104	10516	2113620	2.11
		178	Ladpura	1301612	2641354	12389	111871	159	153	41714	14504	7915	4131671	20658	4152329	4.15
		179	Sangod	977855	1719856	12449	114993	151	146	67953	29032	0	2922435	14612	2937048	2.94
		180	Sultanpur	974606	1546547	23704	98148	985	949	1470	42485	0	2688893	13444	2702338	2.7
			Sub Total	**5026004**	**8720993**	**78707**	**545285**	**2128**	**2050**	**140444**	**132433**	**7915**	**14655959**	**73280**	**14729238**	**14.72**
25	Nagaur	181	Degana	1059879	2509293	335672	344062	2136	2058	59826	5776	0	4318703	21594	4340296	4.34
		182	Didwana	967760	2149008	251409	476406	512	493	57276	1825	0	3904689	19523	3924213	3.92
		183	Jayal	778639	1499660	206717	316284	830	799	65273	250	0	2868451	14342	2882793	2.88
		184	Kuchaman City	1205983	2909507	479990	410218	1256	1210	106079	8527	0	5122770	25614	5148384	5.15

S.No	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		185	Ladnun	592308	830865	132093	317584	446	429	55374	375	0	1929473	9647	1939121	1.94
		186	Makrana	628567	1361069	169205	256859	298	288	30000	7852	0	2454138	12271	2466408	2.47
		187	Merta	691120	1542800	254965	199331	368	355	19322	3826	0	2712088	13560	2725648	2.73
		188	Mundwa	712945	780981	237262	324967	353	340	52607	0	0	2109455	10547	2120002	2.12
		189	Nagaur	1131525	1893665	390368	595524	643	620	98817	0	4655	4115817	20579	4136396	4.14
		190	Parbatsar	683271	1526493	284088	356661	907	874	39120	18955	0	2910369	14552	2924921	2.92
		191	Riyan	543011	1212202	200328	156615	291	280	15173	3001	0	2130901	10655	2141556	2.14
			Sub Total	**8995007**	**18215544**	**2942097**	**3754511**	**8039**	**7746**	**598866**	**50387**	**4655**	**34576853**	**172884**	**34749737**	**34.75**
26	Pali	192	Bali	1107258	1721390	345229	289627	1853	1785	26628	20105	0	3513874	17569	3531443	3.53
		193	Desuri	848038	1711935	472736	218864	1283	1236	67693	37909	0	3359695	16798	3376493	3.38
		194	Jaitaran	974083	1704477	377225	253039	756	728	14222	21255	0	3345785	16729	3362513	3.36
		195	Kharchi (Marwar Junction)	525939	929990	209579	152142	481	463	41022	7327	0	1866944	9335	1876278	1.88
		196	Pali	798654	1014950	568754	187698	1438	1386	47982	7802	0	2628663	13143	2641807	2.64
		197	Raipur	765448	1227296	231276	241542	1496	1442	25504	16929	11595	2522527	12613	2535140	2.54
		198	Rani Station	308865	546512	123085	89349	233	224	22608	4301	0	1095176	5476	1100652	1.1
		199	Rohat	754066	879179	427701	145549	2004	1931	45907	0	0	2256336	11282	2267618	2.27
		200	Sojat	938282	1403460	372415	225731	597	575	41282	12928	0	2995270	14976	3010247	3.01
		201	Sumerpur	438486	807671	273881	102788	279	269	25634	7202	0	1656210	8281	1664491	1.66
			Sub Total	**7459118**	**11946860**	**3401880**	**1906329**	**10419**	**10039**	**358481**	**135758**	**11595**	**25240480**	**126202**	**25366682**	**25.37**
27	Pratapgarh	202	Arnod	1140900	820802	963	87003	403	388	475	4901	0	2055836	10279	2066115	2.07
		203	Chhoti Sadri	1254735	1301694	13281	115465	360	347	0	3076	0	2688959	13445	2702404	2.7
		204	Dhariawad	3129708	2496698	141187	311629	1384	1333	13055	925	0	6095918	30480	6126398	6.13
		205	Peepalkhoont	1641961	986904	5702	156348	562	542	6268	0	0	2798286	13991	2812277	2.81
		206	Pratapgarh	2806932	2085565	14289	196086	403	388	5792	50	3783	5113289	25566	5138855	5.14
			Sub Total	**9974235**	**7691662**	**175423**	**866530**	**3113**	**2999**	**25590**	**8952**	**3783**	**18752288**	**93761**	**18846050**	**18.85**
28	Rajsamand	207	Amet	647732	1053309	67302	164786	229	220	9942	6727	0	1950246	9751	1959998	1.96
		208	Bhim	787425	706797	136325	323837	112	108	5620	3951	0	1964176	9821	1973996	1.97
		209	Deogarh	628719	741445	138937	236145	225	217	13314	9777	0	1768779	8844	1777623	1.78
		210	Khamnor	1371927	1539267	35627	257082	3334	3212	49797	2701	0	3262947	16315	3279262	3.28
		211	Kumbhalgarh	816184	1953362	14990	166270	1508	1453	16815	4551	0	2975133	14876	2990009	2.99
		212	Railmagra	1154113	1376841	42445	98237	78	75	0	600	0	2672388	13362	2685750	2.69
		213	Rajsamand	992987	1305548	31601	155770	434	418	12104	4851	4473	2508185	12541	2520726	2.52
			Sub Total	**6399087**	**8676568**	**467228**	**1402127**	**5919**	**5703**	**107592**	**33158**	**4473**	**17101855**	**85509**	**17187364**	**17.19**
29	Sawai	214	Bamanwas	435847	1633576	35355	168427	651	627	20965	41285	0	2336734	11684	2348418	2.35

S.No	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
	madhopur	215	Bonli	381252	980088	83151	133340	392	377	20922	26056	0	1625579	8128	1633707	1.63
		216	Gangapur	212080	2321069	30824	97673	349	336	35057	39135	0	2736523	13683	2750206	2.75
		217	Khandar	606567	2122389	59772	428054	686	661	40979	52113	0	3311221	16556	3327777	3.33
		218	Sawai Madhopur	868817	2653058	85069	285307	1209	1165	46815	70767	5291	4017499	20087	4037587	4.04
			Sub Total	**2504564**	**9710180**	**294171**	**1112802**	**3287**	**3167**	**164738**	**229356**	**5291**	**14027557**	**70138**	**14097695**	**14.1**
30	Sikar	219	Danta Ramgarh	876557	2145761	189006	284266	329	317	60388	20480	0	3577106	17886	3594991	3.59
		220	Dhond	687021	1685958	148502	223351	256	246	47420	16104	0	2808858	14044	2822902	2.82
		221	Fatehpur	380816	755254	125544	319724	756	728	67218	0	0	1650040	8250	1658290	1.66
		222	Khandela	609881	3567491	71900	341983	438	422	83731	25931	0	4701777	23509	4725286	4.73
		223	Lachhmangarh	1015379	2030828	198339	442313	221	213	110834	400	0	3798527	18993	3817519	3.82
		224	Neem Ka Thana	371964	3077678	104374	515676	1050	1012	70330	33658	0	4175743	20879	4196622	4.2
		225	Piprali	2611923	3905082	279333	587605	446	429	157260	875	36043	7578996	37895	7616891	7.62
		226	Srimadhopur	460071	2691238	54237	257986	333	321	63198	19580	0	3546964	17735	3564699	3.56
			Sub Total	**7013612**	**19859289**	**1171235**	**2972905**	**3830**	**3690**	**660378**	**117029**	**36043**	**31838011**	**159190**	**31997201**	**32**
31	Sirohi	227	Abu Road	829288	746511	29179	183027	81	78	1599	0	0	1789764	8949	1798712	1.8
		228	Pindwara	1200358	1165102	124682	237295	376	362	60475	0	0	2788649	13943	2802592	2.8
		229	Reodar	995625	2697268	181778	169594	1469	1415	92160	0	0	4139309	20697	4160005	4.16
		230	Sheoganj	479868	857519	285760	212809	1640	1580	22348	0	9070	1870594	9353	1879947	1.88
		231	Sirohi	827478	944014	302534	139223	1845	1778	73832	0	0	2290702	11454	2302156	2.3
			Sub Total	**4332616**	**6410415**	**923932**	**941947**	**5411**	**5214**	**250414**	**0**	**9070**	**12879018**	**64395**	**12943413**	**12.94**
32	Tonk	232	Deoli	938435	1954575	130794	167197	78	75	7911	40610	0	3239673	16198	3255872	3.26
		233	Malpura	1061689	1972809	236915	184352	190	183	4755	38559	0	3499451	17497	3516949	3.52
		234	Niwai	1283646	2989257	330056	313917	225	217	28314	39785	0	4985416	24927	5010343	5.01
		235	Todaraisingh	703374	1524566	113001	118320	4	4	3285	8352	0	2470906	12355	2483260	2.48
		236	Tonk	432730	1584263	54159	98683	85	82	5014	8552	12304	2195872	10979	2206852	2.21
		237	Uniara	598369	1756395	62335	143425	609	586	8127	23531	0	2593377	12967	2606343	2.61
			Sub Total	**5018242**	**11781865**	**927260**	**1025894**	**1190**	**1147**	**57405**	**159389**	**12304**	**18984696**	**94923**	**19079619**	**19.09**
33	Udaipur	238	Bargaon	1854783	3894770	54077	235877	202	194	8516	975	0	6049394	30247	6079640	6.08
		239	Bhindar	1280594	1172167	10945	164230	287	276	13833	2526	0	2644858	13224	2658082	2.66
		240	Girwa	1629860	1491845	13934	209022	368	355	17637	3226	91066	3457314	17287	3474601	3.47
		241	Gogunda	480544	338162	28081	69364	399	385	4150	125	0	921211	4606	925817	0.93
		242	Jhadol	1020502	697734	38695	147301	845	814	8472	275	0	1914638	9573	1924211	1.92
		243	Kherwara	1565214	1377769	60731	234242	523	504	6614	0	0	3245596	16228	3261824	3.26
		244	Kotra	818255	559429	20659	118108	678	654	7089	225	0	1525097	7625	1532722	1.53
		245	Lasadiya	752496	802961	38023	165361	426	411	5360	0	0	1765038	8825	1773864	1.77

S.No	District	S.No.		Live Stock												Water Demand in Mm^3/yr
			Category -->	Cow	Buffalo	Sheep	Goat	Horse	Donkey	Camel	Pigs	Poultry	Total	Others	Grand Total	
			Rate of Water Consumption --> (Per capita in m^3/yr)	23.725	23.725	2.19	1.825	21.9	21.1	23.725	6.205	0.09125		0.005		
			Block	Water Demand in m^3 / yr												
		246	Mavli	1477368	2190828	28541	193457	233	224	60258	950	0	3951859	19759	3971619	3.97
		247	Rishabhdeo	1275470	1122640	49483	190887	426	411	5792	0	0	2645110	13226	2658335	2.66
		248	Salumbar	1527821	1630293	77203	335730	853	822	16037	0	0	3588758	17944	3606702	3.61
		249	Sarada	1697821	1741087	39381	232613	609	586	22392	1550	0	3736039	18680	3754719	3.75
			Sub Total	**15380728**	**17019684**	**459753**	**2296193**	**5849**	**5636**	**176150**	**9852**	**91066**	**35444912**	**177225**	**35622136**	**35.61**
			Grand Total	**268975666**	**426454136**	**41478837**	**57572099**	**361899**	**348679**	**17950423**	**3399761**	**907731**	**817449231**	**4087246**	**821536477**	**821.62**

Table B-5.10 Summary of District and Block wise Water Demand for Livestock in the year 2010, 2020, 2040, and 2060 in Mm^3

S. No.	District	S. No.	Block	Water Demand (Mm^3)			
				In the year 2010	In the year 2020	In the year 2040	In the year 2060
1	AJMER	1	Arain	1.79	1.91	2.16	2.41
		2	Bhinay	3.06	3.23	3.56	3.90
		3	Jawaja	1.49	1.59	1.78	1.97
		4	Kekri	3.18	3.38	3.77	4.17
		5	Kishangarh	3.94	4.20	4.72	5.25
		6	Masooda	2.47	2.62	2.92	3.22
		7	Peesangan	1.89	2.04	2.33	2.63
		8	Srinagar	1.93	2.09	2.40	2.71
			Sub Total	**19.75**	**21.06**	**23.64**	**26.26**
2	ALWAR	9	Bansur	2.35	2.61	3.14	3.67
		10	Behror	2.01	2.23	2.67	3.11
		11	Kathumar	2.13	2.39	2.89	3.40
		12	Kishangarh Bas	1.40	1.55	1.85	2.15
		13	Kotkasim	1.43	1.58	1.89	2.19
		14	Lachhmangarh	2.71	3.03	3.66	4.30
		15	Mandawar	2.00	2.24	2.70	3.17
		16	Nimrana	1.42	1.58	1.90	2.22
		17	Rajgarh	3.31	3.66	4.35	5.04
		18	Ramgarh	2.04	2.27	2.71	3.15
		19	Reni	1.33	1.47	1.77	2.06
		20	Thanagazi	1.99	2.19	2.59	3.00
		21	Tijara	2.68	2.94	3.46	3.99
		22	Umren	2.48	2.75	3.30	3.84
			Sub Total	**29.28**	**32.49**	**38.88**	**45.29**
3	BANSWARA	23	Anandpuri	1.18	1.24	1.37	1.51
		24	Bagidora	2.52	2.61	2.79	2.97
		25	Banswara	2.91	3.01	3.21	3.41
		26	Chhoti Sarvan	1.44	1.48	1.58	1.67
		27	Garhi	2.36	2.50	2.76	3.03
		28	Ghatol	2.97	3.06	3.25	3.44
		29	Kushalgarh	3.82	3.90	4.06	4.22
		30	Sajjangarh	2.06	2.13	2.28	2.43
			Sub Total	**19.26**	**19.93**	**21.30**	**22.68**
4	BARAN	31	Antah	2.38	2.51	2.79	3.06
		32	Atru	1.79	1.90	2.13	2.36
		33	Baran	1.31	1.39	1.55	1.71
		34	Chhabra	1.74	1.84	2.06	2.27
		35	Chhipabarod	2.46	2.59	2.84	3.09
		36	Kishanganj	2.37	2.48	2.70	2.92
		37	Shahbad	2.09	2.16	2.30	2.45
			Sub Total	**14.14**	**14.87**	**16.37**	**17.86**
5	BARMER	38	Balotra	3.85	4.01	4.32	4.64
		39	Barmer	2.75	2.83	2.99	3.16
		40	Baytoo	3.20	3.31	3.53	3.75
		41	Chohtan	5.08	5.28	5.67	6.09
		42	Dhorimanna	5.00	5.27	5.81	6.36
		43	Sheo	4.55	4.67	4.93	5.20
		44	Sindhari	1.40	1.43	1.48	1.54
		45	Siwana	2.70	2.87	3.22	3.57
			Sub Total	**28.53**	**29.67**	**31.95**	**34.31**
6	BHARATPUR	46	Bayana	1.15	1.25	1.44	1.63

S. No.	District	S. No.	Block	Water Demand (Mm^3)			
				In the year 2010	In the year 2020	In the year 2040	In the year 2060
		47	Deeg	1.80	1.99	2.37	2.75
		48	Kaman	1.42	1.58	1.90	2.22
		49	Kumher	1.81	2.01	2.39	2.79
		50	Nadbai	1.52	1.69	2.03	2.37
		51	Nagar Pahari	3.60	4.00	4.80	5.60
		52	Rupbas	0.69	0.74	0.84	0.94
		53	Sewar	0.89	0.96	1.09	1.23
		54	Weir	1.50	1.66	1.98	2.31
			Sub Total	**14.38**	**15.88**	**18.84**	**21.84**
7	BHILWARA	55	Asind	3.08	3.21	3.46	3.73
		56	Banera	1.70	1.78	1.93	2.09
		57	Hurda	1.64	1.70	1.84	1.97
		58	Jahazpur	2.97	3.10	3.37	3.63
		59	Kotri	1.31	1.36	1.46	1.57
		60	Mandal	2.18	2.30	2.54	2.77
		61	Mandalgarh	2.90	3.03	3.28	3.54
		62	Raipur	1.12	1.18	1.30	1.42
		63	Sahara	1.98	2.08	2.28	2.48
		64	Shahpura	2.73	2.83	3.02	3.22
		65	Suwana	2.82	2.95	3.21	3.48
			Sub Total	**24.43**	**25.52**	**27.69**	**29.90**
8	BIKANER	66	Bikaner	4.79	4.91	5.15	5.40
		67	Dungargarh	2.64	2.75	2.96	3.19
		68	Khajuwala	2.08	2.14	2.27	2.40
		69	Kolayat	4.50	4.59	4.78	4.97
		70	Lunkaransar	4.97	5.05	5.23	5.42
		71	Nokha	3.91	4.10	4.48	4.87
			Sub Total	**22.89**	**23.54**	**24.87**	**26.25**
9	BUNDI	72	Bundi	2.61	2.80	3.18	3.56
		73	Hindoli	3.73	3.96	4.41	4.88
		74	Keshorai Patan	2.73	2.92	3.29	3.66
		75	Nainwa	2.29	2.44	2.74	3.05
		76	Talera	2.46	2.64	3.00	3.36
			Sub Total	**13.82**	**14.76**	**16.62**	**18.51**
10	CHITTAURGARH	77	Bari Sadri	1.69	1.80	2.03	2.25
		78	Begun	2.73	2.85	3.09	3.34
		79	Bhadesar	2.09	2.23	2.51	2.79
		80	Bhainsrorgarh	2.12	2.18	2.30	2.42
		81	Bhopalsagar	0.93	0.99	1.11	1.24
		82	Chittaurgarh	3.08	3.25	3.59	3.93
		83	Dungla	1.76	1.88	2.13	2.38
		84	Gangrar	1.87	1.95	2.10	2.26
		85	Kapasan	1.86	1.98	2.23	2.48
		86	Nimbahera	2.53	2.67	2.95	3.23
		87	Rashmi	1.46	1.55	1.74	1.92
			Sub Total	**22.12**	**23.33**	**25.78**	**28.24**
11	CHURU	88	Churu	1.55	1.64	1.83	2.03
		89	Rajgarh	3.24	3.51	4.07	4.62
		90	Ratangarh	1.74	1.84	2.03	2.23
		91	Sardar Shahar	3.60	3.73	3.99	4.27
		92	Sujangarh	2.59	2.78	3.14	3.51
		93	Taranagar	1.87	1.99	2.22	2.46
			Sub Total	**14.59**	**15.49**	**17.28**	**19.12**
12	DAUSA	94	Bandikui	2.43	2.70	3.26	3.82

S. No.	District	S. No.	Block	Water Demand (Mm^3)			
				In the year 2010	In the year 2020	In the year 2040	In the year 2060
		95	Dausa	3.12	3.40	3.96	4.51
		96	Lalsot	3.74	4.01	4.56	5.11
		97	Mahwa	2.02	2.27	2.75	3.24
		98	Sikrai	2.46	2.74	3.30	3.86
			Sub Total	**13.77**	**15.12**	**17.83**	**20.54**
13	DHAULPUR	99	Bari	1.93	2.14	2.58	3.02
		100	Baseri	2.74	2.99	3.48	3.98
		101	Dhaulpur	4.45	4.81	5.54	6.27
		102	Rajakhera	1.09	1.22	1.46	1.71
			Sub Total	**10.21**	**11.16**	**13.06**	**14.98**
14	DUNGARPUR	103	Aspur	3.08	3.25	3.60	3.96
		104	Bichhiwara	3.43	3.55	3.80	4.04
		105	Dungarpur	1.79	1.85	1.98	2.11
		106	Sagwara	4.05	4.28	4.74	5.21
		107	Simalwara	4.00	4.17	4.50	4.83
			Sub Total	**16.35**	**17.10**	**18.62**	**20.15**
15	GANGANAGAR	108	Anupgarh	4.18	4.35	4.68	5.02
		109	Ganganagar	2.94	3.06	3.28	3.51
		110	Ghadsana	1.97	2.06	2.23	2.41
		111	Karanpur	1.65	1.70	1.82	1.93
		112	Padampur	4.11	4.25	4.54	4.84
		113	Raisinghnagar	2.43	2.52	2.71	2.90
		114	Sadulshahar	1.88	1.96	2.13	2.30
		115	Suratgarh	4.56	4.72	5.04	5.38
			Sub Total	**23.72**	**24.62**	**26.43**	**28.29**
16	HANUMANGARH	116	Bhadra	3.24	3.49	4.00	4.51
		117	Hanumangarh	3.73	3.92	4.30	4.69
		118	Nohar	3.55	3.74	4.13	4.52
		119	Pilibanga	2.62	2.74	2.96	3.19
		120	Rawatsar	2.84	2.95	3.17	3.40
		121	Sangariya	1.90	1.99	2.17	2.35
		122	Tibi	2.31	2.44	2.68	2.93
			Sub Total	**20.19**	**21.27**	**23.41**	**25.59**
17	JAIPUR	123	Amber	5.40	5.75	6.46	7.18
		124	Bassi	2.85	3.03	3.38	3.74
		125	Chaksu	2.08	2.23	2.55	2.87
		126	Dudu	2.60	2.78	3.15	3.52
		127	Govindgarh	5.95	6.38	7.24	8.11
		128	Jamwa Ramgarh	3.14	3.39	3.90	4.42
		129	Jhotwara	2.05	2.20	2.50	2.81
		130	Kotputli	2.91	3.24	3.90	4.57
		131	Phagi	2.06	2.23	2.56	2.89
		132	Sambhar	5.35	5.69	6.39	7.09
		133	Sanganer	1.89	2.04	2.35	2.65
		134	Shahpura	2.40	2.65	3.15	3.65
		135	Viratnagar	1.24	1.36	1.61	1.86
			Sub Total	**39.92**	**42.97**	**49.14**	**55.36**
18	JAISALMER	136	Jaisalmer	6.58	6.79	7.21	7.66
		137	Sam	2.89	2.99	3.19	3.40
		138	Sankra	5.55	5.71	6.01	6.33
			Sub Total	**15.02**	**15.49**	**16.41**	**17.39**
19	JALORE	139	Ahore	2.33	2.50	2.83	3.16
		140	Bhinmal	2.75	2.96	3.37	3.79
		141	Chitalwana	3.53	3.75	4.19	4.64

S. No.	District	S. No.	Block	Water Demand (Mm^3)			
				In the year 2010	In the year 2020	In the year 2040	In the year 2060
		142	Jalore	1.90	2.06	2.39	2.72
		143	Jaswantpura	1.92	2.09	2.45	2.81
		144	Raniwara	2.44	2.65	3.06	3.48
		145	Sanchore	2.45	2.61	2.91	3.22
		146	Sayla	1.87	2.05	2.43	2.80
			Sub Total	**19.19**	**20.67**	**23.63**	**26.62**
20	JHALAWAR	147	Bakani	2.54	2.67	2.94	3.21
		148	Dag	4.78	5.00	5.42	5.84
		149	Jhalrapatan	3.53	3.74	4.18	4.62
		150	Khanpur	2.01	2.15	2.42	2.68
		151	Manohar Thana	2.06	2.16	2.35	2.55
		152	Pirawa	2.75	2.91	3.22	3.54
			Sub Total	**17.67**	**18.63**	**20.53**	**22.44**
21	JHUNJHUNUN	153	Alsisar	3.13	3.33	3.74	4.14
		154	Buhana	0.94	1.03	1.21	1.39
		155	Chirawa	1.34	1.43	1.60	1.78
		156	Jhunjhunun	3.27	3.47	3.89	4.30
		157	Khetri	1.66	1.84	2.19	2.54
		158	Nawalgarh	2.59	2.78	3.16	3.55
		159	Surajgarh	1.15	1.26	1.48	1.70
		160	Udaipurwati	2.34	2.55	2.96	3.38
			Sub Total	**16.42**	**17.69**	**20.23**	**22.78**
22	JODHPUR	161	Balesar	2.05	2.13	2.29	2.46
		162	Bap	3.69	3.79	3.98	4.18
		163	Bawari	1.89	1.99	2.18	2.37
		164	Bhopalgarh	3.27	3.51	3.97	4.45
		165	Bilara	2.39	2.55	2.86	3.18
		166	Luni	2.75	2.87	3.09	3.31
		167	Mandor	2.48	2.60	2.86	3.12
		168	Osian	3.26	3.40	3.70	4.00
		169	Phalodi	2.79	2.86	3.00	3.15
		170	Shergarh	2.20	2.29	2.47	2.64
			Sub Total	**26.77**	**27.99**	**30.40**	**32.86**
23	KARAULI	171	Hindaun	2.60	2.91	3.52	4.15
		172	Karauli	3.03	3.32	3.88	4.45
		173	Nadoti	1.43	1.57	1.85	2.14
		174	Sapotra	4.00	4.35	5.06	5.77
		175	Todabhim	2.02	2.26	2.75	3.23
			Sub Total	**13.08**	**14.41**	**17.06**	**19.74**
24	KOTA	176	Itawa	2.14	2.28	2.55	2.82
		177	Khairabad	1.62	1.72	1.92	2.11
		178	Ladpura	3.08	3.30	3.72	4.15
		179	Sangod	2.22	2.36	2.65	2.94
		180	Sultanpur	2.06	2.19	2.44	2.70
			Sub Total	**11.12**	**11.85**	**13.28**	**14.72**
25	NAGAUR	181	Degana	3.15	3.39	3.86	4.34
		182	Didwana	2.84	3.06	3.49	3.92
		183	Jayal	2.13	2.28	2.58	2.88
		184	Kuchaman City	3.72	4.00	4.58	5.15
		185	Ladnun	1.47	1.56	1.75	1.94
		186	Makrana	1.79	1.93	2.20	2.47
		187	Merta	1.98	2.13	2.43	2.73
		188	Mundwa	1.64	1.74	1.93	2.12
		189	Nagaur	3.07	3.29	3.71	4.14

S. No.	District	S. No.	Block	Water Demand (Mm^3)			
				In the year 2010	In the year 2020	In the year 2040	In the year 2060
		190	Parbatsar	2.11	2.28	2.60	2.92
		191	Riyan	1.56	1.67	1.91	2.14
			Sub Total	**25.46**	**27.33**	**31.04**	**34.75**
26	PALI	192	Bali	2.67	2.84	3.19	3.53
		193	Desuri	2.48	2.66	3.02	3.38
		194	Jaitaran	2.51	2.68	3.02	3.36
		195	Kharchi (Marwar Junction)	1.40	1.50	1.69	1.88
		196	Pali	2.03	2.15	2.39	2.64
		197	Raipur	1.90	2.03	2.28	2.54
		198	Rani Station	0.82	0.88	0.99	1.10
		199	Rohat	1.77	1.87	2.07	2.27
		200	Sojat	2.28	2.43	2.72	3.01
		201	Sumerpur	1.23	1.32	1.49	1.66
			Sub Total	**19.09**	**20.36**	**22.86**	**25.37**
27	PRATAPGARH	202	Arnod	1.75	1.81	1.94	2.07
		203	Chhoti Sadri	2.18	2.29	2.49	2.70
		204	Dhariawad	5.10	5.30	5.71	6.13
		205	Peepalkhoont	2.43	2.50	2.66	2.81
		206	Pratapgarh	4.34	4.50	4.82	5.14
			Sub Total	**15.80**	**16.40**	**17.62**	**18.85**
28	RAJSAMAND	207	Amet	1.48	1.58	1.77	1.96
		208	Bhim	1.56	1.64	1.81	1.97
		209	Deogarh	1.37	1.45	1.62	1.78
		210	Khamnor	2.62	2.75	3.01	3.28
		211	Kumbhalgarh	2.17	2.34	2.66	2.99
		212	Railmagra	2.13	2.24	2.46	2.69
		213	Rajsamand	1.97	2.08	2.30	2.52
			Sub Total	**13.30**	**14.08**	**15.63**	**17.19**
29	SAWAI MADHOPUR	214	Bamanwas	1.62	1.76	2.05	2.35
		215	Bonli	1.17	1.26	1.45	1.63
		216	Gangapur	1.76	1.95	2.35	2.75
		217	Khandar	2.30	2.50	2.91	3.33
		218	Sawai Madhopur	2.84	3.08	3.56	4.04
			Sub Total	**9.69**	**10.55**	**12.32**	**14.10**
30	SIKAR	219	Danta Ramgarh	2.59	2.79	3.19	3.59
		220	Dhond	2.03	2.19	2.51	2.82
		221	Fatehpur	1.21	1.30	1.48	1.66
		222	Khandela	3.14	3.46	4.09	4.73
		223	Lachhmangarh	2.81	3.01	3.41	3.82
		224	Neem Ka Thana	2.73	3.02	3.61	4.20
		225	Piprali	5.82	6.18	6.90	7.62
		226	Srimadhopur	2.37	2.61	3.09	3.56
			Sub Total	**22.70**	**24.56**	**28.28**	**32.00**
31	SIROHI	227	Abu Road	1.46	1.53	1.66	1.80
		228	Pindwara	2.25	2.36	2.58	2.80
		229	Reodar	2.99	3.22	3.69	4.16
		230	Sheoganj	1.39	1.49	1.68	1.88
		231	Sirohi	1.81	1.91	2.11	2.30
			Sub Total	**9.90**	**10.51**	**11.72**	**12.94**
32	TONK	232	Deoli	2.39	2.56	2.91	3.26
		233	Malpura	2.61	2.79	3.16	3.52
		234	Niwai	3.63	3.90	4.46	5.01
		235	Todaraisingh	1.82	1.95	2.22	2.48

S. No.	District	S. No.	Block	Water Demand (Mm^3)			
				In the year 2010	In the year 2020	In the year 2040	In the year 2060
		236	Tonk	1.52	1.66	1.93	2.21
		237	Uniara	1.84	2.00	2.30	2.61
			Sub Total	**13.81**	**14.86**	**16.98**	**19.09**
33	UDAIPUR	238	Bargaon	4.48	4.80	5.44	6.08
		239	Bhindar	2.17	2.27	2.46	2.66
		240	Girwa	2.82	2.95	3.21	3.47
		241	Gogunda	0.78	0.81	0.87	0.93
		242	Jhadol	1.62	1.68	1.80	1.92
		243	Kherwara	2.67	2.79	3.02	3.26
		244	Kotra	1.29	1.34	1.44	1.53
		245	Lasadiya	1.41	1.48	1.63	1.77
		246	Mavli	3.06	3.25	3.61	3.97
		247	Rishabhdeo	2.18	2.27	2.46	2.66
		248	Salumbar	2.87	3.02	3.31	3.61
		249	Sarada	3.03	3.17	3.46	3.75
			Sub Total	**28.38**	**29.83**	**32.71**	**35.61**
			Grand Total	**624.75**	**663.99**	**742.41**	**821.62**

Appendix B-6: Crop Water Requirement

Table B-6.1 District-wise and Crop-wise Net Crop Water Requirement at Various Dependability Levels (in mm)

S. No.	Crop	District: Ajmer												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	14.1	26.4	35.2	12.3	0.0	0.0	88.0
2	**Barley***	84.7	78.8	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	70.1	292.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	13.9	43.5	147.1	186.8	221.0	186.8	114.7	86.9	88.8	63.8	27.7	37.9	1218.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.8	37.0	46.2	25.1	0.0	0.0	132.1
6	**Corriander***	37.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.9	107.4	113.8	316.0
7	**Cotton**	0.0	0.0	0.0	0.0	47.4	69.5	56.9	60.0	47.4	34.8	0.0	0.0	316.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.2	125.0	105.3	39.5	0.0	0.0	329.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.0	59.6	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6	33.4	200.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	29.0	37.7	53.7	24.7	0.0	0.0	145.1
12	**Isabgol***	116.8	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.3	131.4	365.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.4	29.5	45.5	40.6	0.0	0.0	123.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	37.0	57.4	70.3	20.4	0.0	0.0	185.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	37.8	27.0	0.0	0.0	0.0	90.0
16	**Mustard***	65.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	72.8	41.6	260.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	13.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	47.7	41.6	45.7	49.7	204.2
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	128.2	113.4	123.3	118.3	9.9	0.0	493.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	47.5	45.0	10.0	0.0	0.0	125.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	36.6	41.1	13.3	0.0	0.0	111.0
22	**Tomato***	86.2	158.0	193.9	215.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.6	718.1
23	**Wheat***	116.9	109.3	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	86.7	377.0
	Weighted Avg.	70.1	60.5	24.9	8.9	11.0	13.8	13.3	14.7	14.7	14.3	26.6	54.7	327.5

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Ajmer Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	19.4	36.3	48.4	16.9	0.0	0.0	121.0
2	**Barley***	85.0	79.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.2	70.3	293.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	14.4	45.2	153.0	194.3	229.9	194.3	119.3	90.4	92.4	66.4	28.9	39.4	1267.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	30.1	46.8	58.5	31.7	0.0	0.0	167.1
6	**Corriander***	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	107.8	114.1	317.0
7	**Cotton**	0.0	0.0	0.0	0.0	55.8	81.8	67.0	70.7	55.8	40.9	0.0	0.0	372.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.8	128.4	108.2	40.6	0.0	0.0	338.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.2	59.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	33.6	201.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	37.6	48.9	69.6	32.0	0.0	0.0	188.1
12	**Isabgol***	118.4	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.4	133.2	370.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	37.0	57.0	50.8	0.0	0.0	154.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	39.8	61.7	75.6	21.9	0.0	0.0	199.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	30.8	46.2	33.0	0.0	0.0	0.0	110.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	15.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	58.2	50.7	55.7	60.6	248.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	135.7	120.1	130.5	125.3	10.4	0.0	522.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.1	59.3	56.2	12.5	0.0	0.0	156.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	23.2	42.6	47.7	15.5	0.0	0.0	129.0
22	**Tomato***	86.6	158.8	194.9	216.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	721.9
23	**Wheat***	117.2	109.6	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	86.9	378.0
	Weighted Avg.	70.4	60.8	25.0	9.0	12.7	16.2	15.6	17.3	17.3	16.1	27.0	55.2	342.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Ajmer Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	31.8	59.7	79.6	27.9	0.0	0.0	199.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71	295.9
3	**Cabbage***	90.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.8	87.4	257.1
4	**Citrus****	15.4	48.3	163.3	207.5	245.5	207.5	127.4	96.6	98.6	70.9	30.8	42.1	1353.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	41.8	65	81.2	44.1	0.0	0.0	232.1
6	**Corriander***	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	109.1	115.6	321
7	**Cotton**	0.0	0.0	0.0	0.0	70.5	103.4	84.6	89.3	70.5	51.7	0.0	0.0	470.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	133.8	112.6	42.2	0.0	0.0	352.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.7	60.5	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	33.9	203.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.8	68.6	97.7	44.9	0.0	0.0	264.0
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.2	83.6	74.6	0.0	0.0	226.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	58.8	91.1	111.7	32.3	0.0	0.0	293.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	85.7	61.2	0.0	0.0	0.0	204.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	20.9	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.9	67.1	73.6	80.1	329.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	149.2	132	143.5	137.8	11.5	0.0	574.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	82.1	77.8	17.3	0.0	0.0	216.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	87.4	160.2	196.6	218.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	728.1
23	**Wheat***	117.8	110.2	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	87.4	380.0
	Weighted Avg.	71.0	61.3	25.2	9.1	15.5	20.4	20.1	22.4	22.8	19.5	27.7	56.2	371.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Ajmer												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	39.0	73.2	97.6	34.2	0.0	0.0	244.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	90.3	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	87.7	258.0
4	**Citrus****	16.1	50.4	170.6	216.7	256.4	216.7	133.0	100.8	103.0	74.0	32.2	44.0	1413.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	49.7	77.3	96.6	52.4	0.0	0.0	276.0
6	**Corriander***	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.0	109.5	115.9	322.0
7	**Cotton**	0.0	0.0	0.0	0.0	80.7	118.4	96.8	102.2	80.7	59.2	0.0	0.0	538.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.5	138.3	116.5	43.7	0.0	0.0	364.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.9	60.8	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	34.1	204.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	82.4	117.3	53.9	0.0	0.0	317.0
12	**Isabgol***	115.8	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.6	130.3	361.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	64.1	98.8	88.1	0.0	0.0	267.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.6	106.3	130.3	37.7	0.0	0.0	342.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.1	106.7	76.2	0.0	0.0	0.0	254.0
16	**Mustard***	66.3	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	74.2	42.4	265.1
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	24.3	12.2	0.0	0.0	0.0	0.0	0.0	0.0	89.5	78.1	85.7	93.3	383.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	158.6	140.3	152.5	146.4	12.2	0.0	610.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	46.3	97.7	92.5	20.6	0.0	0.0	257.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	51.5	94.4	105.8	34.3	0.0	0.0	286.0
22	**Tomato***	88.0	161.3	197.9	219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	733.1
23	**Wheat***	118.1	110.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	87.6	381.0
	Weighted Avg.	71.3	61.5	25.3	9.1	17.5	23.3	23.1	25.8	26.3	21.8	28.2	56.7	389.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Alwar												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	13.9	26.1	34.8	12.2	0.0	0.0	87.0
2	**Barley***	78.0	72.6	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	64.6	269.0
3	**Cabbage***	99.8	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.1	96.9	285.1
4	**Citrus****	12.5	39.3	132.9	168.9	199.8	168.9	103.7	78.6	80.3	57.7	25.1	34.3	1102.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.6	36.7	45.9	24.9	0.0	0.0	131.1
6	**Corriander***	42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.7	120.4	127.4	354.0
7	**Cotton**	0.0	0.0	0.0	0.0	43.1	63.1	51.7	54.5	43.1	31.6	0.0	0.0	287.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	64.4	136.0	114.6	43.0	0.0	0.0	358.0
9	**Cumin***	98.4	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8	93.2	258.9
10	**Gram***	58.2	73.9	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.7	41.5	248.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	29.2	38.0	54.0	24.8	0.0	0.0	146.0
12	**Isabgol***	103.4	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.1	116.3	323.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	8.0	31.9	49.2	43.9	0.0	0.0	133.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	33.4	51.8	63.5	18.4	0.0	0.0	167.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	34.4	51.7	36.9	0.0	0.0	0.0	123.0
16	**Mustard***	62.0	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.1	69.4	39.7	248.0
17	**Onion***	43.3	87.4	135.9	145.6	72.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	485.0
18	**Red Chillies**	13.1	6.5	0.0	0.0	0.0	0.0	0.0	0.0	48.1	42.0	46.1	50.2	206.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	132.1	116.8	127.0	121.9	10.2	0.0	508.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	30.1	63.5	60.1	13.4	0.0	0.0	167.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	21.6	39.6	44.4	14.4	0.0	0.0	120.0
22	**Tomato***	82.0	150.3	184.4	204.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.5	683.1
23	**Wheat***	107.6	100.6	34.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	79.8	347.0
	Weighted Avg.	78.4	60.2	17.5	2.7	1.6	0.6	1.0	1.4	1.6	24.5	46.0	54.7	290.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Alwar												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	19.4	36.3	48.4	16.9	0.0	0.0	121.0
2	**Barley***	85.0	79.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.2	70.3	293.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	14.4	45.2	153.0	194.3	229.9	194.3	119.3	90.4	92.4	66.4	28.9	39.4	1267.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	30.1	46.8	58.5	31.7	0.0	0.0	167.1
6	**Corriander***	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	107.8	114.1	317.0
7	**Cotton**	0.0	0.0	0.0	0.0	55.8	81.8	67.0	70.7	55.8	40.9	0.0	0.0	372.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.8	128.4	108.2	40.6	0.0	0.0	338.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.2	59.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	33.6	201.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	37.6	48.9	69.6	32.0	0.0	0.0	188.1
12	**Isabgol***	118.4	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.4	133.2	370.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	37.0	57.0	50.8	0.0	0.0	154.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	39.8	61.7	75.6	21.9	0.0	0.0	199.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	30.8	46.2	33.0	0.0	0.0	0.0	110.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	15.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	58.2	50.7	55.7	60.6	248.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	135.7	120.1	130.5	125.3	10.4	0.0	522.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.1	59.3	56.2	12.5	0.0	0.0	156.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	23.2	42.6	47.7	15.5	0.0	0.0	129.0
22	**Tomato***	86.6	158.8	194.9	216.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	721.9
23	**Wheat***	117.2	109.6	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	86.9	378.0
	Weighted Avg.	70.4	60.8	25.0	9.0	12.7	16.2	15.6	17.3	17.3	16.1	27.0	55.2	342.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Alwar Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	31.8	59.7	79.6	27.9	0.0	0.0	199.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	90.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.8	87.4	257.1
4	**Citrus****	15.4	48.3	163.3	207.5	245.5	207.5	127.4	96.6	98.6	70.9	30.8	42.1	1353.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	41.8	65.0	81.2	44.1	0.0	0.0	232.1
6	**Corriander***	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	109.1	115.6	321.0
7	**Cotton**	0.0	0.0	0.0	0.0	70.5	103.4	84.6	89.3	70.5	51.7	0.0	0.0	470.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	133.8	112.6	42.2	0.0	0.0	352.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.7	60.5	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	33.9	203.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.8	68.6	97.7	44.9	0.0	0.0	264.0
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.2	83.6	74.6	0.0	0.0	226.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	58.8	91.1	111.7	32.3	0.0	0.0	293.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	85.7	61.2	0.0	0.0	0.0	204.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	20.9	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.9	67.1	73.6	80.1	329.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	149.2	132.0	143.5	137.8	11.5	0.0	574.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	82.1	77.8	17.3	0.0	0.0	216.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	87.4	160.2	196.6	218.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	728.1
23	**Wheat***	117.8	110.2	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	87.4	380.0
	Weighted Avg.	71.0	61.3	25.2	9.1	15.5	20.4	20.1	22.4	22.8	19.5	27.7	56.2	371.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Alwar												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	39.0	73.2	97.6	34.2	0.0	0.0	244.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	90.3	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	87.7	258.0
4	**Citrus****	16.1	50.4	170.6	216.7	256.4	216.7	133.0	100.8	103.0	74.0	32.2	44.0	1413.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	49.7	77.3	96.6	52.4	0.0	0.0	276.0
6	**Corriander***	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.0	109.5	115.9	322.0
7	**Cotton**	0.0	0.0	0.0	0.0	80.7	118.4	96.8	102.2	80.7	59.2	0.0	0.0	538.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.5	138.3	116.5	43.7	0.0	0.0	364.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.9	60.8	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	34.1	204.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	82.4	117.3	53.9	0.0	0.0	317.0
12	**Isabgol***	115.8	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.6	130.3	361.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	64.1	98.8	88.1	0.0	0.0	267.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.6	106.3	130.3	37.7	0.0	0.0	342.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.1	106.7	76.2	0.0	0.0	0.0	254.0
16	**Mustard***	66.3	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	74.2	42.4	265.1
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	24.3	12.2	0.0	0.0	0.0	0.0	0.0	0.0	89.5	78.1	85.7	93.3	383.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	158.6	140.3	152.5	146.4	12.2	0.0	610.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	46.3	97.7	92.5	20.6	0.0	0.0	257.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	51.5	94.4	105.8	34.3	0.0	0.0	286.0
22	**Tomato***	88.0	161.3	197.9	219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	733.1
23	**Wheat***	118.1	110.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	87.6	381.0
	Weighted Avg.	71.3	61.5	25.3	9.1	17.5	23.3	23.1	25.8	26.3	21.8	28.2	56.7	389.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Banswara												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	8.2	15.3	20.4	7.1	0.0	0.0	51.0
2	**Barley***	80.6	75.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.4	66.7	278.0
3	**Cabbage***	86.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	84.0	247.1
4	**Citrus****	11.8	37.0	125.1	158.9	188.0	158.9	97.6	74.0	75.5	54.3	23.6	32.3	1037.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	10.6	16.5	20.7	11.2	0.0	0.0	59.0
6	**Corriander***	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.4	53.7	56.9	158.0
7	**Cotton**	0.0	0.0	0.0	0.0	25.2	37.0	30.2	31.9	25.2	18.5	0.0	0.0	168.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	50.9	107.5	90.6	34.0	0.0	0.0	283.0
9	**Cumin***	101.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	96.5	268.0
10	**Gram***	41.3	52.4	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	29.4	175.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	15.4	20.0	28.5	13.1	0.0	0.0	77.0
12	**Isabgol***	96.3	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.2	108.4	301.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	4.6	18.2	28.1	25.1	0.0	0.0	76.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	20.2	31.3	38.4	11.1	0.0	0.0	101.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	13.2	19.7	14.1	0.0	0.0	0.0	47.0
16	**Mustard***	62.3	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.3	69.7	39.8	249.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	25.7	28.2	30.7	126.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	115.4	102.1	111.0	106.6	8.9	0.0	444.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	46.0	43.6	9.7	0.0	0.0	121.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	10.4	19.1	21.5	7.0	0.0	0.0	58.0
22	**Tomato***	80.0	146.7	180.1	200.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	666.9
23	**Wheat***	113.2	105.9	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	84.0	365.2
	Weighted Avg.	107.8	101.8	35.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	25.7	80.0	351.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Banswara												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	11.4	21.3	28.4	9.9	0.0	0.0	71.0
2	**Barley***	80.9	75.3	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.5	67.0	279.0
3	**Cabbage***	86.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	84.0	247.1
4	**Citrus****	12.3	38.5	130.2	165.4	195.7	165.4	101.5	77.0	78.6	56.5	24.6	33.6	1079.3
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	13.7	21.3	26.6	14.4	0.0	0.0	76.0
6	**Corriander***	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	54.1	57.2	159.0
7	**Cotton**	0.0	0.0	0.0	0.0	29.7	43.6	35.6	37.6	29.7	21.8	0.0	0.0	198.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	110.6	93.1	34.9	0.0	0.0	291.0
9	**Cumin***	101.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	96.5	268.0
10	**Gram***	41.6	52.7	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2	29.6	177.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	26.0	37.0	17.0	0.0	0.0	100.0
12	**Isabgol***	97.6	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	109.8	305.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	5.7	22.8	35.2	31.4	0.0	0.0	95.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	33.8	41.4	12.0	0.0	0.0	109.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	23.9	17.1	0.0	0.0	0.0	57.0
16	**Mustard***	62.8	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.7	70.3	40.2	251.1
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	9.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	35.7	31.2	34.2	37.3	153.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	122.2	108.1	117.5	112.8	9.4	0.0	470.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.0	57.0	54.0	12.0	0.0	0.0	150.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	12.1	22.1	24.8	8.0	0.0	0.0	67.0
22	**Tomato***	80.4	147.4	180.9	201.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.3	670.0
23	**Wheat***	113.5	106.1	36.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	84.2	366.0
	Weighted Avg.	108.1	102.0	35.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	25.7	80.2	352.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Banswara												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.6	34.8	46.4	16.2	0.0	0.0	116.0
2	**Barley***	81.8	76.1	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.8	67.7	282.0
3	**Cabbage***	87.2	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.7	84.7	249.1
4	**Citrus****	13.1	41.1	139.1	176.7	209.1	176.7	108.5	82.2	84.0	60.4	26.2	35.9	1153.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	29.4	36.8	20.0	0.0	0.0	105.1
6	**Corriander***	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.4	57.6	160.0
7	**Cotton**	0.0	0.0	0.0	0.0	37.5	55.0	45.0	47.5	37.5	27.5	0.0	0.0	250.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	54.5	115.1	97.0	36.4	0.0	0.0	303.0
9	**Cumin***	102.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	96.8	268.9
10	**Gram***	42.0	53.3	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	29.9	178.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.2	36.7	52.2	24.0	0.0	0.0	141.1
12	**Isabgol***	97.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.3	110.2	306.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	8.4	33.6	51.8	46.2	0.0	0.0	140.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	32.0	49.6	60.8	17.6	0.0	0.0	160.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	29.7	44.5	31.8	0.0	0.0	0.0	106.0
16	**Mustard***	63.3	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.1	70.8	40.5	253.1
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.2	41.2	45.2	49.2	202.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	134.4	118.9	129.3	124.1	10.3	0.0	517.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	79.0	74.9	16.6	0.0	0.0	207.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	22.1	40.6	45.5	14.8	0.0	0.0	123.0
22	**Tomato***	81.1	148.7	182.5	202.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	675.9
23	**Wheat***	114.1	106.7	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.6	368.0
	Weighted Avg.	108.7	102.6	36.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	25.9	80.6	354.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Banswara												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	42.6	56.8	19.9	0.0	0.0	142.0
2	**Barley***	82.1	76.4	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	67.9	283.0
3	**Cabbage***	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	85.0	250.0
4	**Citrus****	13.7	42.9	145.2	184.5	218.3	184.5	113.3	85.9	87.7	63.0	27.4	37.5	1203.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	35.0	43.8	23.8	0.0	0.0	125.1
6	**Corriander***	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	54.7	58.0	161.0
7	**Cotton**	0.0	0.0	0.0	0.0	42.9	62.9	51.5	54.3	42.9	31.5	0.0	0.0	286.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	102.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	96.8	268.9
10	**Gram***	42.3	53.6	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	30.1	180.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	43.9	62.5	28.7	0.0	0.0	168.9
12	**Isabgol***	98.2	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5	110.5	306.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.9	39.6	61.1	54.5	0.0	0.0	165.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	58.0	71.1	20.6	0.0	0.0	187.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	36.7	55.0	39.3	0.0	0.0	0.0	131.0
16	**Mustard***	63.5	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.3	71.1	40.6	254.0
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	15.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	55.1	48.1	52.8	57.5	236.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	142.7	126.3	137.3	131.8	11.0	0.0	549.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	44.5	93.9	88.9	19.8	0.0	0.0	247.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	26.6	48.8	54.8	17.8	0.0	0.0	148.0
22	**Tomato***	81.6	149.6	183.6	204.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	680.0
23	**Wheat***	114.4	107.0	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.9	369.0
	Weighted Avg.	109.0	102.9	36.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	25.9	80.9	355.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Baran												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.0	22.5	30.0	10.5	0.0	0.0	75.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	95.2	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	92.5	272.0
4	**Citrus****	13.8	43.2	146.2	185.8	219.8	185.8	114.0	86.4	88.3	63.5	27.6	37.7	1212.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	14.0	21.8	27.3	14.8	0.0	0.0	77.9
6	**Corriander***	35.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	101.3	107.3	298.0
7	**Cotton**	0.0	0.0	0.0	0.0	37.5	55.0	45.0	47.5	37.5	27.5	0.0	0.0	250.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	53.1	112.1	94.4	35.4	0.0	0.0	295.0
9	**Cumin***	108.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.2	103.0	286.1
10	**Gram***	44.6	56.6	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1	31.8	190.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	23.4	30.4	43.3	19.9	0.0	0.0	117.0
12	**Isabgol***	120.3	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.7	135.4	376.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	6.3	25.2	38.9	34.7	0.0	0.0	105.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	26.8	41.5	50.9	14.7	0.0	0.0	133.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	32.8	23.4	0.0	0.0	0.0	78.0
16	**Mustard***	64.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.8	72.0	41.1	257.0
17	**Onion***	44.7	90.3	140.4	150.4	75.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	501.0
18	**Red Chillies**	10.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	39.5	34.4	37.8	41.2	169.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	139.4	123.3	134.0	128.6	10.7	0.0	536.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	40.7	38.5	8.6	0.0	0.0	107.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	13.3	24.4	27.4	8.9	0.0	0.0	74.0
22	**Tomato***	88.6	162.4	199.3	221.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.4	738.1
23	**Wheat***	124.0	116.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	92.0	400.0
	Weighted Avg.	75.8	52.2	14.5	0.3	0.1	0.0	3.7	3.3	3.6	34.4	61.8	74.4	324.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Baran												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	16.5	30.9	41.2	14.4	0.0	0.0	103.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	95.2	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	92.5	272.0
4	**Citrus****	14.4	45.0	152.1	193.3	228.7	193.3	118.6	89.9	91.8	66.0	28.7	39.2	1261.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	17.8	27.7	34.7	18.8	0.0	0.0	99.0
6	**Corriander***	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	101.7	107.6	299.0
7	**Cotton**	0.0	0.0	0.0	0.0	44.1	64.7	52.9	55.9	44.1	32.3	0.0	0.0	294.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	54.7	115.5	97.3	36.5	0.0	0.0	304.0
9	**Cumin***	108.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.2	103.0	286.1
10	**Gram***	44.9	56.9	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	31.9	191.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	30.4	39.5	56.2	25.8	0.0	0.0	151.9
12	**Isabgol***	121.9	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.8	137.2	381.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.9	31.4	48.5	43.2	0.0	0.0	131.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	44.6	54.7	15.8	0.0	0.0	143.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	26.6	39.9	28.5	0.0	0.0	0.0	95.0
16	**Mustard***	64.8	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.2	72.5	41.4	259.0
17	**Onion***	44.8	90.4	140.7	150.7	75.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	502.0
18	**Red Chillies**	13.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	47.9	41.8	45.9	49.9	205.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	147.4	130.4	141.8	136.1	11.3	0.0	567.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	23.9	50.5	47.9	10.6	0.0	0.0	132.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	15.7	28.7	32.2	10.4	0.0	0.0	87.0
22	**Tomato***	89.2	163.5	200.6	222.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.9	743.1
23	**Wheat***	124.3	116.3	40.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1	92.2	401.0
	Weighted Avg.	76.1	52.4	14.5	0.3	0.1	0.0	3.9	3.5	3.8	34.8	62.1	74.7	326.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Baran												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	27.2	51.0	68.0	23.8	0.0	0.0	170.0
2	**Barley***	87.0	81.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	72.0	300.0
3	**Cabbage***	95.9	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.2	93.2	274.0
4	**Citrus****	15.3	48.0	162.5	206.4	244.3	206.4	126.7	96.1	98.1	70.5	30.7	41.9	1346.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	24.8	38.6	48.3	26.2	0.0	0.0	137.9
6	**Corriander***	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	102.7	108.7	302.0
7	**Cotton**	0.0	0.0	0.0	0.0	55.7	81.6	66.8	70.5	55.7	40.8	0.0	0.0	371.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.9	120.1	101.1	37.9	0.0	0.0	316.0
9	**Cumin***	109.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	103.3	287.0
10	**Gram***	45.3	57.5	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	32.3	193.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	42.8	55.6	79.2	36.4	0.0	0.0	214.0
12	**Isabgol***	122.2	38.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.0	137.5	381.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	11.5	46.1	71.0	63.4	0.0	0.0	192.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	42.6	66.0	80.9	23.4	0.0	0.0	212.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	49.6	74.3	53.1	0.0	0.0	0.0	177.0
16	**Mustard***	65.3	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.6	73.1	41.8	261.1
17	**Onion***	44.9	90.6	141.0	151.0	75.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	503.0
18	**Red Chillies**	17.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.3	55.2	60.7	66.0	271.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.1	69.9	66.2	14.7	0.0	0.0	183.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	28.6	52.5	58.8	19.1	0.0	0.0	159.0
22	**Tomato***	89.9	164.8	202.2	224.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.4	749.0
23	**Wheat***	124.9	116.9	40.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.2	92.7	403.0
	Weighted Avg.	76.6	52.7	14.6	0.3	0.1	0.0	4.3	3.9	4.3	35.5	62.6	75.3	330.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Baran												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	33.1	62.1	82.8	29.0	0.0	0.0	207.0
2	**Barley***	87.3	81.3	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.1	72.2	301.0
3	**Cabbage***	96.3	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.5	93.5	275.1
4	**Citrus****	16.0	50.1	169.6	215.5	255.0	215.5	132.3	100.3	102.4	73.6	32.0	43.7	1406.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	29.5	45.9	57.4	31.2	0.0	0.0	164.0
6	**Corriander***	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.5	103.0	109.1	303.0
7	**Cotton**	0.0	0.0	0.0	0.0	63.8	93.5	76.5	80.8	63.8	46.8	0.0	0.0	425.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.9	124.3	104.6	39.2	0.0	0.0	327.0
9	**Cumin***	109.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	103.3	287.0
10	**Gram***	45.6	57.8	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7	32.4	194.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	51.4	66.8	95.1	43.7	0.0	0.0	257.0
12	**Isabgol***	122.6	38.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.3	137.9	383.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.5	84.0	74.9	0.0	0.0	227.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.6	76.9	94.2	27.3	0.0	0.0	248.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	61.3	92.0	65.7	0.0	0.0	0.0	219.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	45.1	91.0	141.5	151.6	75.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	505.0
18	**Red Chillies**	20.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	73.8	64.4	70.7	76.9	315.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	172.4	152.5	165.8	159.1	13.3	0.0	663.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	39.4	83.2	78.8	17.5	0.0	0.0	218.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	34.6	63.4	71.0	23.0	0.0	0.0	192.0
22	**Tomato***	90.4	165.7	203.3	225.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.8	753.1
23	**Wheat***	125.2	117.2	40.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	92.9	404.0
	Weighted Avg.	76.8	52.8	14.6	0.3	0.1	0.1	4.6	4.2	4.6	35.8	62.9	75.5	332.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Barmer												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	35.4	47.2	16.5	0.0	0.0	118.0
2	**Barley***	66.1	61.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	54.7	228.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.7	40.0	50.1	27.2	0.0	0.0	143.0
6	**Corriander***	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4	91.5	96.8	269.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.1	85.1	69.7	73.5	58.1	42.6	0.0	0.0	387.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.3	48.6	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	27.2	163.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	40.0	52.0	74.0	34.0	0.0	0.0	200.0
12	**Isabgol***	90.9	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	102.2	284.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.5	42.0	64.8	57.8	0.0	0.0	175.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	39.2	58.8	42.0	0.0	0.0	0.0	140.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	33.9	68.5	106.5	114.1	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.1
18	**Red Chillies**	17.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.1	55.0	60.4	65.7	269.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.1	135.5	147.3	141.4	11.8	0.0	589.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.5	32.0	35.9	11.6	0.0	0.0	97.0
22	**Tomato***	76.6	140.4	172.3	191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	638.1
23	**Wheat***	95.2	89.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	70.6	307.0
	Weighted Avg.	77.9	25.3	2.6	0.1	0.1	0.1	1.6	2.8	3.8	5.0	47.1	76.9	243.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Barmer Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.9	48.6	64.8	22.7	0.0	0.0	162.0
2	**Barley***	66.4	61.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	55.0	229.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	91.8	97.2	270.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.3	100.1	81.9	86.5	68.3	50.1	0.0	0.0	455.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	122.4	103.0	38.6	0.0	0.0	322.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.5	48.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	27.4	164.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	67.6	96.2	44.2	0.0	0.0	260.0
12	**Isabgol***	92.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	103.7	288.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.1	52.6	81.0	72.3	0.0	0.0	219.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	46.2	71.6	87.8	25.4	0.0	0.0	231.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	47.9	71.8	51.3	0.0	0.0	0.0	171.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	34.0	68.6	106.8	114.4	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.0
18	**Red Chillies**	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.6	66.8	73.4	79.9	327.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.3	37.3	41.8	13.6	0.0	0.0	113.0
22	**Tomato***	77.0	141.2	173.3	192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	641.9
23	**Wheat***	95.5	89.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	70.8	308.0
	Weighted Avg.	78.5	25.5	2.6	0.1	0.1	0.1	2.1	3.9	5.2	5.5	47.5	77.5	248.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Barmer												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	80.1	106.8	37.4	0.0	0.0	267.0
2	**Barley***	67.0	62.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	55.4	231.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.6	88.2	47.9	0.0	0.0	252.1
6	**Corriander***	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	92.5	97.9	272.0
7	**Cotton**	0.0	0.0	0.0	0.0	86.1	126.3	103.3	109.1	86.1	63.1	0.0	0.0	574.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	127.7	107.5	40.3	0.0	0.0	336.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	38.8	49.2	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	27.6	165.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	73.0	94.9	135.1	62.1	0.0	0.0	365.1
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	77.0	118.8	105.9	0.0	0.0	321.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.2	105.7	129.6	37.5	0.0	0.0	341.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	88.8	133.1	95.1	0.0	0.0	0.0	317.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	34.1	68.8	107.0	114.7	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.0
18	**Red Chillies**	27.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	101.4	88.5	97.1	105.7	434.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	178.4	157.8	171.5	164.6	13.7	0.0	686.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.3	68.3	76.6	24.8	0.0	0.0	207.0
22	**Tomato***	77.6	142.3	174.7	194.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.2	646.9
23	**Wheat***	95.8	89.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	71.1	309.0
	Weighted Avg.	78.8	25.6	2.6	0.1	0.1	0.1	3.5	6.3	8.4	6.7	47.7	77.8	257.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Barmer												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	52.2	97.8	130.4	45.6	0.0	0.0	326.0
2	**Barley***	67.3	62.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	55.7	232.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	54.0	84.0	105.0	57.0	0.0	0.0	300.0
6	**Corriander***	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	92.8	98.3	273.0
7	**Cotton**	0.0	0.0	0.0	0.0	98.9	145.0	118.6	125.2	98.9	72.5	0.0	0.0	659.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	62.5	131.9	111.0	41.6	0.0	0.0	347.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	39.0	49.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	27.8	166.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	87.8	114.1	162.4	74.6	0.0	0.0	438.9
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	91.0	140.2	125.1	0.0	0.0	379.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	79.6	123.4	151.2	43.8	0.0	0.0	398.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	110.3	165.5	118.2	0.0	0.0	0.0	394.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	34.2	69.0	107.3	115.0	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.0
18	**Red Chillies**	32.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0	118.0	102.9	113.0	123.0	505.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	189.5	167.7	182.3	175.0	14.6	0.0	729.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	44.8	82.2	92.1	29.9	0.0	0.0	249.0
22	**Tomato***	78.1	143.2	175.8	195.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	651.0
23	**Wheat***	96.1	89.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	71.3	310.0
	Weighted Avg.	78.8	25.7	2.7	0.1	0.1	0.1	4.2	7.7	10.2	7.4	47.8	77.9	262.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bharatpur												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	11.0	20.7	27.6	9.7	0.0	0.0	69.0
2	**Barley***	75.4	70.2	20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2	62.4	260.0
3	**Cabbage***	82.3	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.1	79.9	235.1
4	**Citrus****	13.0	40.8	138.0	175.3	207.4	175.3	107.6	81.6	83.3	59.9	26.0	35.6	1143.8
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	18.5	28.8	36.1	19.6	0.0	0.0	103.0
6	**Corriander***	33.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	95.2	100.8	280.0
7	**Cotton**	0.0	0.0	0.0	0.0	39.3	57.6	47.2	49.8	39.3	28.8	0.0	0.0	262.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	120.5	101.4	38.0	0.0	0.0	317.0
9	**Cumin***	81.7	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	77.4	215.0
10	**Gram***	50.7	64.4	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	36.1	216.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	24.4	31.7	45.1	20.7	0.0	0.0	121.9
12	**Isabgol***	93.4	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	105.1	291.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	5.0	20.2	31.1	27.7	0.0	0.0	84.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	33.8	41.4	12.0	0.0	0.0	109.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	25.5	38.2	27.3	0.0	0.0	0.0	91.0
16	**Mustard***	53.5	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.7	59.9	34.2	214.0
17	**Onion***	43.9	88.6	137.9	147.7	73.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	492.0
18	**Red Chillies**	11.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	42.1	36.7	40.3	43.8	180.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	133.4	118.0	128.3	123.1	10.3	0.0	513.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.2	34.2	32.4	7.2	0.0	0.0	90.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	30.4	34.0	11.0	0.0	0.0	92.0
22	**Tomato***	81.7	149.8	183.9	204.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.3	681.0
23	**Wheat***	82.0	76.7	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	60.8	264.4
	Weighted Avg.	67.5	51.7	13.9	0.4	0.4	0.3	0.9	0.8	0.9	20.2	38.4	47.6	243.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bharatpur Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	15.0	28.2	37.6	13.2	0.0	0.0	94.0
2	**Barley***	75.7	70.5	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.3	62.6	261.0
3	**Cabbage***	82.3	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.1	79.9	235.1
4	**Citrus****	13.5	42.4	143.6	182.4	215.8	182.4	112.0	84.9	86.7	62.3	27.1	37.0	1190.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.6	36.7	45.9	24.9	0.0	0.0	131.1
6	**Corriander***	33.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.6	95.5	101.2	281.0
7	**Cotton**	0.0	0.0	0.0	0.0	46.2	67.8	55.4	58.5	46.2	33.9	0.0	0.0	308.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.7	123.9	104.3	39.1	0.0	0.0	326.0
9	**Cumin***	81.7	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	77.4	215.0
10	**Gram***	51.0	64.7	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.1	36.3	217.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	31.6	41.1	58.5	26.9	0.0	0.0	158.1
12	**Isabgol***	94.7	29.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.1	106.6	296.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	6.2	25.0	38.5	34.3	0.0	0.0	104.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	23.6	36.6	44.8	13.0	0.0	0.0	118.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	31.1	46.6	33.3	0.0	0.0	0.0	111.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	44.0	88.8	138.2	148.0	74.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	493.0
18	**Red Chillies**	13.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	50.9	44.4	48.8	53.1	217.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	141.2	124.9	135.8	130.3	10.9	0.0	543.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.2	42.6	40.3	9.0	0.0	0.0	112.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	19.4	35.6	40.0	13.0	0.0	0.0	108.0
22	**Tomato***	82.2	150.7	185.0	205.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.7	685.1
23	**Wheat***	86.7	81.1	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	64.4	279.8
	Weighted Avg.	70.1	54.0	14.7	0.5	0.4	0.4	1.0	0.8	0.9	20.4	39.3	49.6	252.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bharatpur												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	24.8	46.5	62.0	21.7	0.0	0.0	155.0
2	**Barley***	76.6	71.3	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.7	63.4	264.1
3	**Cabbage***	83.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.6	80.6	237.1
4	**Citrus****	14.5	45.3	153.3	194.8	230.5	194.8	119.6	90.6	92.6	66.5	28.9	39.5	1270.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	96.6	102.2	284.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.4	85.6	70.0	73.9	58.4	42.8	0.0	0.0	389.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	61.2	129.2	108.8	40.8	0.0	0.0	340.0
9	**Cumin***	82.1	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.2	77.8	216.1
10	**Gram***	51.4	65.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.4	36.6	219.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	44.4	57.7	82.1	37.7	0.0	0.0	221.9
12	**Isabgol***	95.0	29.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.3	106.9	296.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	36.7	56.6	50.5	0.0	0.0	153.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	34.8	53.9	66.1	19.1	0.0	0.0	173.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	86.9	62.1	0.0	0.0	0.0	207.0
16	**Mustard***	54.5	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.4	61.0	34.9	218.0
17	**Onion***	44.1	89.0	138.4	148.3	74.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	494.0
18	**Red Chillies**	18.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	67.5	58.9	64.7	70.4	289.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	155.2	137.3	149.3	143.3	11.9	0.0	597.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.7	58.5	55.4	12.3	0.0	0.0	153.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	35.5	65.0	72.9	23.6	0.0	0.0	197.0
22	**Tomato***	82.8	151.8	186.3	207.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.1	690.0
23	**Wheat***	100.8	94.3	32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	74.8	325.2
	Weighted Avg.	77.4	60.7	16.9	0.5	0.4	0.4	1.1	0.9	1.1	20.7	41.1	55.0	276.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bharatpur												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	30.4	57.0	76.0	26.6	0.0	0.0	190.0
2	**Barley***	76.9	71.6	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	63.6	265.1
3	**Cabbage***	83.3	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.9	80.9	238.0
4	**Citrus****	15.1	47.3	160.1	203.4	240.6	203.4	124.8	94.6	96.7	69.5	30.2	41.3	1327.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	60.5	75.6	41.0	0.0	0.0	216.0
6	**Corriander***	34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	96.6	102.2	284.0
7	**Cotton**	0.0	0.0	0.0	0.0	67.1	98.3	80.5	84.9	67.1	49.2	0.0	0.0	447.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.2	133.4	112.3	42.1	0.0	0.0	351.0
9	**Cumin***	82.1	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.2	77.8	216.1
10	**Gram***	51.7	65.6	33.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.6	36.8	220.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	53.4	69.4	98.8	45.4	0.0	0.0	267.0
12	**Isabgol***	95.4	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.6	107.3	298.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.9	43.4	67.0	59.7	0.0	0.0	181.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	40.6	62.9	77.1	22.3	0.0	0.0	202.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.7	107.5	76.8	0.0	0.0	0.0	256.0
16	**Mustard***	54.8	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.6	61.3	35.0	219.0
17	**Onion***	44.2	89.2	138.7	148.6	74.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	495.0
18	**Red Chillies**	21.4	10.7	0.0	0.0	0.0	0.0	0.0	0.0	78.7	68.7	75.4	82.1	337.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	164.8	145.8	158.5	152.2	12.7	0.0	634.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	32.9	69.5	65.9	14.6	0.0	0.0	182.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	83.3	152.7	187.4	208.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	694.1
23	**Wheat***	98.6	92.2	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3	73.1	318.0
	Weighted Avg.	76.5	59.8	16.6	0.5	0.5	0.4	1.1	1.0	1.1	20.9	41.1	54.2	273.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bhilwara												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.8	24.0	32.0	11.2	0.0	0.0	80.0
2	**Barley***	84.7	78.8	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	70.1	292.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	13.9	43.5	147.1	186.8	221.0	186.8	114.7	86.9	88.8	63.8	27.7	37.9	1218.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.8	37.0	46.2	25.1	0.0	0.0	132.1
6	**Corriander***	37.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.9	107.4	113.8	316.0
7	**Cotton**	0.0	0.0	0.0	0.0	41.4	60.7	49.7	52.4	41.4	30.4	0.0	0.0	276.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.2	125.0	105.3	39.5	0.0	0.0	329.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.0	59.6	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6	33.4	200.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	37.4	53.3	24.5	0.0	0.0	144.0
12	**Isabgol***	113.3	35.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.9	127.4	354.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.4	29.5	45.5	40.6	0.0	0.0	123.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	31.0	48.1	58.9	17.1	0.0	0.0	155.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	37.8	27.0	0.0	0.0	0.0	90.0
16	**Mustard***	65.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	72.8	41.6	260.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.0	41.0	45.0	48.9	201.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	128.2	113.4	123.3	118.3	9.9	0.0	493.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	47.5	45.0	10.0	0.0	0.0	125.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	36.6	41.1	13.3	0.0	0.0	111.0
22	**Tomato***	86.2	158.0	193.9	215.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.6	718.1
23	**Wheat***	116.9	109.3	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	86.7	377.0
	Weighted Avg.	84.6	75.0	25.4	1.9	7.1	9.5	9.1	9.6	8.7	12.6	29.5	63.2	336.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bhilwara												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	17.4	32.7	43.6	15.3	0.0	0.0	109.0
2	**Barley***	85.0	79.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.2	70.3	293.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	14.4	45.2	153.0	194.3	229.9	194.3	119.3	90.4	92.4	66.4	28.9	39.4	1267.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	30.1	46.8	58.5	31.7	0.0	0.0	167.1
6	**Corriander***	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	107.8	114.1	317.0
7	**Cotton**	0.0	0.0	0.0	0.0	48.6	71.3	58.3	61.6	48.6	35.6	0.0	0.0	324.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.8	128.4	108.2	40.6	0.0	0.0	338.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.2	59.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	33.6	201.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	48.6	69.2	31.8	0.0	0.0	187.0
12	**Isabgol***	114.9	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0	129.2	359.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	37.0	57.0	50.8	0.0	0.0	154.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	33.4	51.8	63.5	18.4	0.0	0.0	167.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	30.8	46.2	33.0	0.0	0.0	0.0	110.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	15.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	57.2	49.9	54.8	59.7	245.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	135.7	120.1	130.5	125.3	10.4	0.0	522.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.1	59.3	56.2	12.5	0.0	0.0	156.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	23.2	42.6	47.7	15.5	0.0	0.0	129.0
22	**Tomato***	86.6	158.8	194.9	216.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	721.9
23	**Wheat***	117.2	109.6	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	86.9	378.0
	Weighted Avg.	84.9	75.2	25.5	1.9	8.1	11.0	10.4	11.0	9.9	13.5	29.7	63.5	344.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bhilwara												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.0	72.0	25.2	0.0	0.0	180.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	90.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.8	87.4	257.1
4	**Citrus****	15.4	48.3	163.3	207.5	245.5	207.5	127.4	96.6	98.6	70.9	30.8	42.1	1353.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	41.8	65.0	81.2	44.1	0.0	0.0	232.1
6	**Corriander***	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	109.1	115.6	321.0
7	**Cotton**	0.0	0.0	0.0	0.0	61.4	90.0	73.6	77.7	61.4	45.0	0.0	0.0	409.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	133.8	112.6	42.2	0.0	0.0	352.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.7	60.5	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	33.9	203.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	68.1	96.9	44.5	0.0	0.0	261.9
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.2	83.6	74.6	0.0	0.0	226.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.4	76.6	93.9	27.2	0.0	0.0	247.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	85.7	61.2	0.0	0.0	0.0	204.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	20.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	75.7	66.0	72.5	78.9	324.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	149.2	132.0	143.5	137.8	11.5	0.0	574.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	82.1	77.8	17.3	0.0	0.0	216.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	87.4	160.2	196.6	218.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	728.1
23	**Wheat***	117.8	110.2	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	87.4	380.0
	Weighted Avg.	85.5	75.7	25.7	2.0	10.0	13.7	13.0	13.9	12.6	15.3	30.0	64.0	361.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bhilwara												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	35.2	66.0	88.0	30.8	0.0	0.0	220.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	90.3	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	87.7	258.0
4	**Citrus****	16.1	50.4	170.6	216.7	256.4	216.7	133.0	100.8	103.0	74.0	32.2	44.0	1413.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	49.7	77.3	96.6	52.4	0.0	0.0	276.0
6	**Corriander***	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.0	109.5	115.9	322.0
7	**Cotton**	0.0	0.0	0.0	0.0	70.4	103.2	84.4	89.1	70.4	51.6	0.0	0.0	469.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.5	138.3	116.5	43.7	0.0	0.0	364.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.9	60.8	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	34.1	204.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	63.0	81.9	116.6	53.6	0.0	0.0	315.1
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	64.1	98.8	88.1	0.0	0.0	267.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	57.6	89.3	109.4	31.7	0.0	0.0	288.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.1	106.7	76.2	0.0	0.0	0.0	254.0
16	**Mustard***	66.3	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	74.2	42.4	265.1
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	23.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0	88.1	76.8	84.4	91.8	377.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	158.6	140.3	152.5	146.4	12.2	0.0	610.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	46.3	97.7	92.5	20.6	0.0	0.0	257.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	51.5	94.4	105.8	34.3	0.0	0.0	286.0
22	**Tomato***	88.0	161.3	197.9	219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	733.1
23	**Wheat***	118.1	110.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	87.6	381.0
	Weighted Avg.	85.7	76.0	25.9	2.1	11.3	15.5	14.8	15.8	14.4	16.5	30.2	64.3	372.5

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bikaner												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	35.4	47.2	16.5	0.0	0.0	118.0
2	**Barley***	66.1	61.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	54.7	228.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.7	40.0	50.1	27.2	0.0	0.0	143.0
6	**Corriander***	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4	91.5	96.8	269.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.1	85.1	69.7	73.5	58.1	42.6	0.0	0.0	387.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.3	48.6	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	27.2	163.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	40.0	52.0	74.0	34.0	0.0	0.0	200.0
12	**Isabgol***	58.6	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.3	65.9	183.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.5	42.0	64.8	57.8	0.0	0.0	175.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	39.2	58.8	42.0	0.0	0.0	0.0	140.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	33.9	68.5	106.5	114.1	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.1
18	**Red Chillies**	17.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.1	55.0	60.4	65.7	269.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.1	135.5	147.3	141.4	11.8	0.0	589.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.5	32.0	35.9	11.6	0.0	0.0	97.0
22	**Tomato***	76.6	140.4	172.3	191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	638.1
23	**Wheat***	95.2	89.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	70.6	307.0
	Weighted Avg.	36.5	35.5	14.1	0.0	0.9	1.4	13.3	17.8	23.8	15.1	18.6	26.6	203.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bikaner												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.9	48.6	64.8	22.7	0.0	0.0	162.0
2	**Barley***	66.4	61.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	55.0	229.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	91.8	97.2	270.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.3	100.1	81.9	86.5	68.3	50.1	0.0	0.0	455.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	122.4	103.0	38.6	0.0	0.0	322.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.5	48.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	27.4	164.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	67.6	96.2	44.2	0.0	0.0	260.0
12	**Isabgol***	59.2	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.7	66.6	185.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.1	52.6	81.0	72.3	0.0	0.0	219.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	46.2	71.6	87.8	25.4	0.0	0.0	231.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	47.9	71.8	51.3	0.0	0.0	0.0	171.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	34.0	68.6	106.8	114.4	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.0
18	**Red Chillies**	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.6	66.8	73.4	79.9	327.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.3	37.3	41.8	13.6	0.0	0.0	113.0
22	**Tomato***	77.0	141.2	173.3	192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	641.9
23	**Wheat***	95.5	89.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	70.8	308.0
	Weighted Avg.	36.7	35.7	14.2	0.0	1.1	1.6	17.1	22.9	30.7	18.4	18.8	26.7	223.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bikaner Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	80.1	106.8	37.4	0.0	0.0	267.0
2	**Barley***	67.0	62.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	55.4	231.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.6	88.2	47.9	0.0	0.0	252.1
6	**Corriander***	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	92.5	97.9	272.0
7	**Cotton**	0.0	0.0	0.0	0.0	86.1	126.3	103.3	109.1	86.1	63.1	0.0	0.0	574.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	127.7	107.5	40.3	0.0	0.0	336.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	38.8	49.2	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	27.6	165.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	73.0	94.9	135.1	62.1	0.0	0.0	365.1
12	**Isabgol***	59.5	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	67.0	186.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	77.0	118.8	105.9	0.0	0.0	321.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.2	105.7	129.6	37.5	0.0	0.0	341.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	88.8	133.1	95.1	0.0	0.0	0.0	317.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	34.1	68.8	107.0	114.7	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.0
18	**Red Chillies**	27.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	101.4	88.5	97.1	105.7	434.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	178.4	157.8	171.5	164.6	13.7	0.0	686.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.3	68.3	76.6	24.8	0.0	0.0	207.0
22	**Tomato***	77.6	142.3	174.7	194.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.2	646.9
23	**Wheat***	95.8	89.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	71.1	309.0
	Weighted Avg.	36.9	35.9	14.3	0.0	1.4	2.0	24.0	32.1	43.1	24.3	18.9	26.9	259.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bikaner												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	52.2	97.8	130.4	45.6	0.0	0.0	326.0
2	**Barley***	67.3	62.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	55.7	232.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	54.0	84.0	105.0	57.0	0.0	0.0	300.0
6	**Corriander***	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	92.8	98.3	273.0
7	**Cotton**	0.0	0.0	0.0	0.0	98.9	145.0	118.6	125.2	98.9	72.5	0.0	0.0	659.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	62.5	131.9	111.0	41.6	0.0	0.0	347.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	39.0	49.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	27.8	166.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	87.8	114.1	162.4	74.6	0.0	0.0	438.9
12	**Isabgol***	59.5	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	67.0	186.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	91.0	140.2	125.1	0.0	0.0	379.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	79.6	123.4	151.2	43.8	0.0	0.0	398.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	110.3	165.5	118.2	0.0	0.0	0.0	394.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	34.2	69.0	107.3	115.0	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.0
18	**Red Chillies**	32.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0	118.0	102.9	113.0	123.0	505.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	189.5	167.7	182.3	175.0	14.6	0.0	729.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	44.8	82.2	92.1	29.9	0.0	0.0	249.0
22	**Tomato***	78.1	143.2	175.8	195.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	651.0
23	**Wheat***	96.1	89.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	71.3	310.0
	Weighted Avg.	37.0	36.1	14.3	0.0	1.6	2.3	28.7	38.5	51.7	28.4	19.0	27.0	284.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bundi Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.0	22.5	30.0	10.5	0.0	0.0	75.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	95.2	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	92.5	272.0
4	**Citrus****	13.8	43.2	146.2	185.8	219.8	185.8	114.0	86.4	88.3	63.5	27.6	37.7	1212.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	14.0	21.8	27.3	14.8	0.0	0.0	77.9
6	**Corriander***	35.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	101.3	107.3	298.0
7	**Cotton**	0.0	0.0	0.0	0.0	37.5	55.0	45.0	47.5	37.5	27.5	0.0	0.0	250.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	53.1	112.1	94.4	35.4	0.0	0.0	295.0
9	**Cumin***	108.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.2	103.0	286.1
10	**Gram***	44.6	56.6	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1	31.8	190.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	23.4	30.4	43.3	19.9	0.0	0.0	117.0
12	**Isabgol***	120.3	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.7	135.4	376.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	6.3	25.2	38.9	34.7	0.0	0.0	105.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	26.8	41.5	50.9	14.7	0.0	0.0	133.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	32.8	23.4	0.0	0.0	0.0	78.0
16	**Mustard***	64.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.8	72.0	41.1	257.0
17	**Onion***	44.7	90.3	140.4	150.4	75.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	501.0
18	**Red Chillies**	10.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	39.5	34.4	37.8	41.2	169.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	139.4	123.3	134.0	128.6	10.7	0.0	536.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	23.6	49.8	47.2	10.5	0.0	0.0	131.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	13.3	24.4	27.4	8.9	0.0	0.0	74.0
22	**Tomato***	88.6	162.4	199.3	221.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.4	738.1
23	**Wheat***	124.0	116.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	92.0	400.0
	Weighted Avg.	83.1	71.2	22.6	0.4	0.1	0.1	26.0	23.3	25.4	35.1	34.7	61.6	383.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bundi Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	16.5	30.9	41.2	14.4	0.0	0.0	103.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	95.2	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	92.5	272.0
4	**Citrus****	14.4	45.0	152.1	193.3	228.7	193.3	118.6	89.9	91.8	66.0	28.7	39.2	1261.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	17.8	27.7	34.7	18.8	0.0	0.0	99.0
6	**Corriander***	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	101.7	107.6	299.0
7	**Cotton**	0.0	0.0	0.0	0.0	44.1	64.7	52.9	55.9	44.1	32.3	0.0	0.0	294.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	54.7	115.5	97.3	36.5	0.0	0.0	304.0
9	**Cumin***	108.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.2	103.0	286.1
10	**Gram***	44.9	56.9	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	31.9	191.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	30.4	39.5	56.2	25.8	0.0	0.0	151.9
12	**Isabgol***	121.9	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.8	137.2	381.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.9	31.4	48.5	43.2	0.0	0.0	131.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	44.6	54.7	15.8	0.0	0.0	143.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	26.6	39.9	28.5	0.0	0.0	0.0	95.0
16	**Mustard***	64.8	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.2	72.5	41.4	259.0
17	**Onion***	44.8	90.4	140.7	150.7	75.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	502.0
18	**Red Chillies**	13.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	47.9	41.8	45.9	49.9	205.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	147.4	130.4	141.8	136.1	11.3	0.0	567.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	29.3	61.9	58.7	13.0	0.0	0.0	162.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	15.7	28.7	32.2	10.4	0.0	0.0	87.0
22	**Tomato***	89.2	163.5	200.6	222.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.9	743.1
23	**Wheat***	124.3	116.3	40.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1	92.2	401.0
	Weighted Avg.	83.4	71.4	22.7	0.4	0.1	0.1	27.6	24.7	27.0	36.7	35.0	61.8	390.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bundi												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	27.2	51.0	68.0	23.8	0.0	0.0	170.0
2	**Barley***	87.0	81.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	72.0	300.0
3	**Cabbage***	95.9	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.2	93.2	274.0
4	**Citrus****	15.3	48.0	162.5	206.4	244.3	206.4	126.7	96.1	98.1	70.5	30.7	41.9	1346.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	24.8	38.6	48.3	26.2	0.0	0.0	137.9
6	**Corriander***	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	102.7	108.7	302.0
7	**Cotton**	0.0	0.0	0.0	0.0	55.7	81.6	66.8	70.5	55.7	40.8	0.0	0.0	371.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.9	120.1	101.1	37.9	0.0	0.0	316.0
9	**Cumin***	109.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	103.3	287.0
10	**Gram***	45.3	57.5	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	32.3	193.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	42.8	55.6	79.2	36.4	0.0	0.0	214.0
12	**Isabgol***	122.2	38.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.0	137.5	381.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	11.5	46.1	71.0	63.4	0.0	0.0	192.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	42.6	66.0	80.9	23.4	0.0	0.0	212.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	49.6	74.3	53.1	0.0	0.0	0.0	177.0
16	**Mustard***	65.3	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.6	73.1	41.8	261.1
17	**Onion***	44.9	90.6	141.0	151.0	75.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	503.0
18	**Red Chillies**	17.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.3	55.2	60.7	66.0	271.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	40.5	85.5	81.0	18.0	0.0	0.0	225.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	28.6	52.5	58.8	19.1	0.0	0.0	159.0
22	**Tomato***	89.9	164.8	202.2	224.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.4	749.0
23	**Wheat***	124.9	116.9	40.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.2	92.7	403.0
	Weighted Avg.	83.8	71.8	22.8	0.4	0.1	0.1	30.6	27.7	30.2	39.5	35.4	62.2	404.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Bundi												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	33.1	62.1	82.8	29.0	0.0	0.0	207.0
2	**Barley***	87.3	81.3	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.1	72.2	301.0
3	**Cabbage***	96.3	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.5	93.5	275.1
4	**Citrus****	16.0	50.1	169.6	215.5	255.0	215.5	132.3	100.3	102.4	73.6	32.0	43.7	1406.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	29.5	45.9	57.4	31.2	0.0	0.0	164.0
6	**Corriander***	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.5	103.0	109.1	303.0
7	**Cotton**	0.0	0.0	0.0	0.0	63.8	93.5	76.5	80.8	63.8	46.8	0.0	0.0	425.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.9	124.3	104.6	39.2	0.0	0.0	327.0
9	**Cumin***	109.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	103.3	287.0
10	**Gram***	45.6	57.8	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7	32.4	194.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	51.4	66.8	95.1	43.7	0.0	0.0	257.0
12	**Isabgol***	122.6	38.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.3	137.9	383.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.5	84.0	74.9	0.0	0.0	227.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.6	76.9	94.2	27.3	0.0	0.0	248.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	61.3	92.0	65.7	0.0	0.0	0.0	219.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	45.1	91.0	141.5	151.6	75.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	505.0
18	**Red Chillies**	20.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	73.8	64.4	70.7	76.9	315.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	172.4	152.5	165.8	159.1	13.3	0.0	663.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	48.2	101.8	96.5	21.4	0.0	0.0	267.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	34.6	63.4	71.0	23.0	0.0	0.0	192.0
22	**Tomato***	90.4	165.7	203.3	225.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.8	753.1
23	**Wheat***	125.2	117.2	40.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	92.9	404.0
	Weighted Avg.	84.0	72.0	22.9	0.4	0.1	0.1	32.6	29.6	32.3	41.3	35.7	62.3	413.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Chittorgarh												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.8	24.0	32.0	11.2	0.0	0.0	80.0
2	**Barley***	84.7	78.8	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	70.1	292.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	13.9	43.5	147.1	186.8	221.0	186.8	114.7	86.9	88.8	63.8	27.7	37.9	1218.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.8	37.0	46.2	25.1	0.0	0.0	132.1
6	**Corriander***	37.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.9	107.4	113.8	316.0
7	**Cotton**	0.0	0.0	0.0	0.0	41.4	60.7	49.7	52.4	41.4	30.4	0.0	0.0	276.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.2	125.0	105.3	39.5	0.0	0.0	329.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.0	59.6	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6	33.4	200.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	37.4	53.3	24.5	0.0	0.0	144.0
12	**Isabgol***	113.3	35.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.9	127.4	354.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.4	29.5	45.5	40.6	0.0	0.0	123.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	31.0	48.1	58.9	17.1	0.0	0.0	155.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	37.8	27.0	0.0	0.0	0.0	90.0
16	**Mustard***	65.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	72.8	41.6	260.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.0	41.0	45.0	48.9	201.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	128.2	113.4	123.3	118.3	9.9	0.0	493.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	47.5	45.0	10.0	0.0	0.0	125.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	36.6	41.1	13.3	0.0	0.0	111.0
22	**Tomato***	86.2	158.0	193.9	215.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.6	718.1
23	**Wheat***	116.9	109.3	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	86.7	377.0
	Weighted Avg.	90.1	73.8	22.3	0.6	2.2	2.9	3.2	3.2	2.9	18.5	41.7	66.5	327.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Chittorgarh												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	17.4	32.7	43.6	15.3	0.0	0.0	109.0
2	**Barley***	85.0	79.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.2	70.3	293.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	14.4	45.2	153.0	194.3	229.9	194.3	119.3	90.4	92.4	66.4	28.9	39.4	1267.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	30.1	46.8	58.5	31.7	0.0	0.0	167.1
6	**Corriander***	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	107.8	114.1	317.0
7	**Cotton**	0.0	0.0	0.0	0.0	48.6	71.3	58.3	61.6	48.6	35.6	0.0	0.0	324.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.8	128.4	108.2	40.6	0.0	0.0	338.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.2	59.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	33.6	201.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	48.6	69.2	31.8	0.0	0.0	187.0
12	**Isabgol***	114.9	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0	129.2	359.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	37.0	57.0	50.8	0.0	0.0	154.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	33.4	51.8	63.5	18.4	0.0	0.0	167.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	30.8	46.2	33.0	0.0	0.0	0.0	110.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	15.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	57.2	49.9	54.8	59.7	245.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	135.7	120.1	130.5	125.3	10.4	0.0	522.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.1	59.3	56.2	12.5	0.0	0.0	156.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	23.2	42.6	47.7	15.5	0.0	0.0	129.0
22	**Tomato***	86.6	158.8	194.9	216.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	721.9
23	**Wheat***	117.2	109.6	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	86.9	378.0
	Weighted Avg.	90.5	74.1	22.4	0.6	2.5	3.4	3.6	3.7	3.3	19.0	42.0	66.7	331.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Chittorgarh Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.0	72.0	25.2	0.0	0.0	180.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	90.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.8	87.4	257.1
4	**Citrus****	15.4	48.3	163.3	207.5	245.5	207.5	127.4	96.6	98.6	70.9	30.8	42.1	1353.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	41.8	65.0	81.2	44.1	0.0	0.0	232.1
6	**Corriander***	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	109.1	115.6	321.0
7	**Cotton**	0.0	0.0	0.0	0.0	61.4	90.0	73.6	77.7	61.4	45.0	0.0	0.0	409.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	133.8	112.6	42.2	0.0	0.0	352.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.7	60.5	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	33.9	203.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	68.1	96.9	44.5	0.0	0.0	261.9
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.2	83.6	74.6	0.0	0.0	226.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.4	76.6	93.9	27.2	0.0	0.0	247.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	85.7	61.2	0.0	0.0	0.0	204.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	20.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	75.7	66.0	72.5	78.9	324.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	149.2	132.0	143.5	137.8	11.5	0.0	574.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	82.1	77.8	17.3	0.0	0.0	216.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	87.4	160.2	196.6	218.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	728.1
23	**Wheat***	117.8	110.2	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	87.4	380.0
	Weighted Avg.	91.0	74.6	22.6	0.6	3.1	4.2	4.4	4.5	4.0	19.6	42.3	67.2	338.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Chittorgarh Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	35.2	66.0	88.0	30.8	0.0	0.0	220.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	90.3	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	87.7	258.0
4	**Citrus****	16.1	50.4	170.6	216.7	256.4	216.7	133.0	100.8	103.0	74.0	32.2	44.0	1413.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	49.7	77.3	96.6	52.4	0.0	0.0	276.0
6	**Corriander***	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.0	109.5	115.9	322.0
7	**Cotton**	0.0	0.0	0.0	0.0	70.4	103.2	84.4	89.1	70.4	51.6	0.0	0.0	469.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.5	138.3	116.5	43.7	0.0	0.0	364.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.9	60.8	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	34.1	204.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	63.0	81.9	116.6	53.6	0.0	0.0	315.1
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	64.1	98.8	88.1	0.0	0.0	267.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	57.6	89.3	109.4	31.7	0.0	0.0	288.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.1	106.7	76.2	0.0	0.0	0.0	254.0
16	**Mustard***	66.3	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	74.2	42.4	265.1
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	23.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0	88.1	76.8	84.4	91.8	377.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	158.6	140.3	152.5	146.4	12.2	0.0	610.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	46.3	97.7	92.5	20.6	0.0	0.0	257.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	51.5	94.4	105.8	34.3	0.0	0.0	286.0
22	**Tomato***	88.0	161.3	197.9	219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	733.1
23	**Wheat***	118.1	110.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	87.6	381.0
	Weighted Avg.	91.3	74.8	22.6	0.6	3.5	4.8	5.0	5.1	4.5	20.1	42.5	67.4	342.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Churu												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	35.4	47.2	16.5	0.0	0.0	118.0
2	**Barley***	66.1	61.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	54.7	228.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.7	40.0	50.1	27.2	0.0	0.0	143.0
6	**Corriander***	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4	91.5	96.8	269.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.1	85.1	69.7	73.5	58.1	42.6	0.0	0.0	387.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.3	48.6	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	27.2	163.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	40.0	52.0	74.0	34.0	0.0	0.0	200.0
12	**Isabgol***	90.9	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	102.2	284.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.5	42.0	64.8	57.8	0.0	0.0	175.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	39.2	58.8	42.0	0.0	0.0	0.0	140.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	33.9	68.5	106.5	114.1	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.1
18	**Red Chillies**	17.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.1	55.0	60.4	65.7	269.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.1	135.5	147.3	141.4	11.8	0.0	589.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.5	32.0	35.9	11.6	0.0	0.0	97.0
22	**Tomato***	76.6	140.4	172.3	191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	638.1
23	**Wheat***	95.2	89.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	70.6	307.0
	Weighted Avg.	46.0	40.6	14.2	0.0	0.0	0.0	10.6	14.3	20.1	15.0	22.9	34.2	217.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Churu												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.9	48.6	64.8	22.7	0.0	0.0	162.0
2	**Barley***	66.4	61.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	55.0	229.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	91.8	97.2	270.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.3	100.1	81.9	86.5	68.3	50.1	0.0	0.0	455.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	122.4	103.0	38.6	0.0	0.0	322.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.5	48.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	27.4	164.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	67.6	96.2	44.2	0.0	0.0	260.0
12	**Isabgol***	92.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	103.7	288.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.1	52.6	81.0	72.3	0.0	0.0	219.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	46.2	71.6	87.8	25.4	0.0	0.0	231.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	47.9	71.8	51.3	0.0	0.0	0.0	171.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	34.0	68.6	106.8	114.4	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.0
18	**Red Chillies**	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.6	66.8	73.4	79.9	327.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.3	37.3	41.8	13.6	0.0	0.0	113.0
22	**Tomato***	77.0	141.2	173.3	192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	641.9
23	**Wheat***	95.5	89.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	70.8	308.0
	Weighted Avg.	46.2	40.8	14.3	0.0	0.0	0.0	13.8	18.7	26.3	17.8	23.1	34.4	235.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Churu												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	80.1	106.8	37.4	0.0	0.0	267.0
2	**Barley***	67.0	62.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	55.4	231.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.6	88.2	47.9	0.0	0.0	252.1
6	**Corriander***	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	92.5	97.9	272.0
7	**Cotton**	0.0	0.0	0.0	0.0	86.1	126.3	103.3	109.1	86.1	63.1	0.0	0.0	574.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	127.7	107.5	40.3	0.0	0.0	336.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	38.8	49.2	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	27.6	165.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	73.0	94.9	135.1	62.1	0.0	0.0	365.1
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	77.0	118.8	105.9	0.0	0.0	321.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.2	105.7	129.6	37.5	0.0	0.0	341.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	88.8	133.1	95.1	0.0	0.0	0.0	317.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	34.1	68.8	107.0	114.7	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.0
18	**Red Chillies**	27.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	101.4	88.5	97.1	105.7	434.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	178.4	157.8	171.5	164.6	13.7	0.0	686.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.3	68.3	76.6	24.8	0.0	0.0	207.0
22	**Tomato***	77.6	142.3	174.7	194.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.2	646.9
23	**Wheat***	95.8	89.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	71.1	309.0
	Weighted Avg.	46.5	41.0	14.4	0.0	0.0	0.0	19.7	26.8	37.7	22.9	23.2	34.6	266.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Churu Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	52.2	97.8	130.4	45.6	0.0	0.0	326.0
2	**Barley***	67.3	62.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	55.7	232.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	54.0	84.0	105.0	57.0	0.0	0.0	300.0
6	**Corriander***	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	92.8	98.3	273.0
7	**Cotton**	0.0	0.0	0.0	0.0	98.9	145.0	118.6	125.2	98.9	72.5	0.0	0.0	659.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	62.5	131.9	111.0	41.6	0.0	0.0	347.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	39.0	49.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	27.8	166.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	87.8	114.1	162.4	74.6	0.0	0.0	438.9
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	91.0	140.2	125.1	0.0	0.0	379.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	79.6	123.4	151.2	43.8	0.0	0.0	398.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	110.3	165.5	118.2	0.0	0.0	0.0	394.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	34.2	69.0	107.3	115.0	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.0
18	**Red Chillies**	32.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0	118.0	102.9	113.0	123.0	505.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	189.5	167.7	182.3	175.0	14.6	0.0	729.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	44.8	82.2	92.1	29.9	0.0	0.0	249.0
22	**Tomato***	78.1	143.2	175.8	195.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	651.0
23	**Wheat***	96.1	89.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	71.3	310.0
	Weighted Avg.	46.6	41.2	14.4	0.0	0.0	0.0	23.7	32.3	45.4	26.3	23.3	34.8	288.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dausa												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	11.0	20.7	27.6	9.7	0.0	0.0	69.0
2	**Barley***	75.4	70.2	20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2	62.4	260.0
3	**Cabbage***	82.3	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.1	79.9	235.1
4	**Citrus****	13.0	40.8	138.0	175.3	207.4	175.3	107.6	81.6	83.3	59.9	26.0	35.6	1143.8
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	18.5	28.8	36.1	19.6	0.0	0.0	103.0
6	**Corriander***	33.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	95.2	100.8	280.0
7	**Cotton**	0.0	0.0	0.0	0.0	39.3	57.6	47.2	49.8	39.3	28.8	0.0	0.0	262.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	120.5	101.4	38.0	0.0	0.0	317.0
9	**Cumin***	81.7	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	77.4	215.0
10	**Gram***	50.7	64.4	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	36.1	216.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	24.4	31.7	45.1	20.7	0.0	0.0	121.9
12	**Isabgol***	93.4	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	105.1	291.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	5.0	20.2	31.1	27.7	0.0	0.0	84.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	33.8	41.4	12.0	0.0	0.0	109.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	25.5	38.2	27.3	0.0	0.0	0.0	91.0
16	**Mustard***	53.5	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.7	59.9	34.2	214.0
17	**Onion***	43.9	88.6	137.9	147.7	73.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	492.0
18	**Red Chillies**	11.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	42.1	36.7	40.3	43.8	180.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	133.4	118.0	128.3	123.1	10.3	0.0	513.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.2	34.2	32.4	7.2	0.0	0.0	90.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	30.4	34.0	11.0	0.0	0.0	92.0
22	**Tomato***	81.7	149.8	183.9	204.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.3	681.0
23	**Wheat***	97.7	91.4	31.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.1	72.5	315.2
	Weighted Avg.	74.2	60.6	17.9	0.6	0.2	0.2	1.4	1.8	2.5	16.4	35.6	53.3	264.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dausa												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	15.0	28.2	37.6	13.2	0.0	0.0	94.0
2	**Barley***	75.7	70.5	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.3	62.6	261.0
3	**Cabbage***	82.3	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.1	79.9	235.1
4	**Citrus****	13.5	42.4	143.6	182.4	215.8	182.4	112.0	84.9	86.7	62.3	27.1	37.0	1190.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.6	36.7	45.9	24.9	0.0	0.0	131.1
6	**Corriander***	33.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.6	95.5	101.2	281.0
7	**Cotton**	0.0	0.0	0.0	0.0	46.2	67.8	55.4	58.5	46.2	33.9	0.0	0.0	308.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.7	123.9	104.3	39.1	0.0	0.0	326.0
9	**Cumin***	81.7	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	77.4	215.0
10	**Gram***	51.0	64.7	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.1	36.3	217.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	31.6	41.1	58.5	26.9	0.0	0.0	158.1
12	**Isabgol***	94.7	29.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.1	106.6	296.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	6.2	25.0	38.5	34.3	0.0	0.0	104.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	23.6	36.6	44.8	13.0	0.0	0.0	118.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	31.1	46.6	33.3	0.0	0.0	0.0	111.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	44.0	88.8	138.2	148.0	74.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	493.0
18	**Red Chillies**	13.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	50.9	44.4	48.8	53.1	217.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	141.2	124.9	135.8	130.3	10.9	0.0	543.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.2	42.6	40.3	9.0	0.0	0.0	112.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	19.4	35.6	40.0	13.0	0.0	0.0	108.0
22	**Tomato***	82.2	150.7	185.0	205.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.7	685.1
23	**Wheat***	98.0	91.6	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.1	72.7	316.0
	Weighted Avg.	74.5	60.8	18.0	0.6	0.2	0.2	1.8	2.3	3.2	16.9	35.8	53.6	267.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dausa												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	24.8	46.5	62.0	21.7	0.0	0.0	155.0
2	**Barley***	76.6	71.3	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.7	63.4	264.1
3	**Cabbage***	83.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.6	80.6	237.1
4	**Citrus****	14.5	45.3	153.3	194.8	230.5	194.8	119.6	90.6	92.6	66.5	28.9	39.5	1270.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	96.6	102.2	284.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.4	85.6	70.0	73.9	58.4	42.8	0.0	0.0	389.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	61.2	129.2	108.8	40.8	0.0	0.0	340.0
9	**Cumin***	82.1	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.2	77.8	216.1
10	**Gram***	51.4	65.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.4	36.6	219.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	44.4	57.7	82.1	37.7	0.0	0.0	221.9
12	**Isabgol***	95.0	29.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.3	106.9	296.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	36.7	56.6	50.5	0.0	0.0	153.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	34.8	53.9	66.1	19.1	0.0	0.0	173.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	86.9	62.1	0.0	0.0	0.0	207.0
16	**Mustard***	54.5	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.4	61.0	34.9	218.0
17	**Onion***	44.1	89.0	138.4	148.3	74.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	494.0
18	**Red Chillies**	18.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	67.5	58.9	64.7	70.4	289.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	155.2	137.3	149.3	143.3	11.9	0.0	597.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.7	58.5	55.4	12.3	0.0	0.0	153.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	35.5	65.0	72.9	23.6	0.0	0.0	197.0
22	**Tomato***	82.8	151.8	186.3	207.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.1	690.0
23	**Wheat***	98.3	91.9	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	72.9	317.0
	Weighted Avg.	74.9	61.1	18.0	0.6	0.2	0.2	2.5	3.2	4.4	17.6	36.1	53.8	272.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dausa												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	30.4	57.0	76.0	26.6	0.0	0.0	190.0
2	**Barley***	76.9	71.6	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	63.6	265.1
3	**Cabbage***	83.3	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.9	80.9	238.0
4	**Citrus****	15.1	47.3	160.1	203.4	240.6	203.4	124.8	94.6	96.7	69.5	30.2	41.3	1327.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	60.5	75.6	41.0	0.0	0.0	216.0
6	**Corriander***	34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	96.6	102.2	284.0
7	**Cotton**	0.0	0.0	0.0	0.0	67.1	98.3	80.5	84.9	67.1	49.2	0.0	0.0	447.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.2	133.4	112.3	42.1	0.0	0.0	351.0
9	**Cumin***	82.1	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.2	77.8	216.1
10	**Gram***	51.7	65.6	33.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.6	36.8	220.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	53.4	69.4	98.8	45.4	0.0	0.0	267.0
12	**Isabgol***	95.4	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.6	107.3	298.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.9	43.4	67.0	59.7	0.0	0.0	181.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	40.6	62.9	77.1	22.3	0.0	0.0	202.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.7	107.5	76.8	0.0	0.0	0.0	256.0
16	**Mustard***	54.8	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.6	61.3	35.0	219.0
17	**Onion***	44.2	89.2	138.7	148.6	74.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	495.0
18	**Red Chillies**	21.4	10.7	0.0	0.0	0.0	0.0	0.0	0.0	78.7	68.7	75.4	82.1	337.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	164.8	145.8	158.5	152.2	12.7	0.0	634.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	32.9	69.5	65.9	14.6	0.0	0.0	182.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	83.3	152.7	187.4	208.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	694.1
23	**Wheat***	98.6	92.2	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3	73.1	318.0
	Weighted Avg.	75.2	61.3	18.1	0.6	0.2	0.2	2.9	3.8	5.3	18.1	36.2	54.0	275.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dholpur												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	11.4	21.3	28.4	9.9	0.0	0.0	71.0
2	**Barley***	78.6	73.2	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5	65.0	271.0
3	**Cabbage***	74.9	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.6	72.8	214.0
4	**Citrus****	13.4	42.1	142.4	180.8	214.0	180.8	111.0	84.2	85.9	61.8	26.9	36.7	1180.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	18.4	28.6	35.7	19.4	0.0	0.0	102.1
6	**Corriander***	29.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.5	84.0	88.9	247.0
7	**Cotton**	0.0	0.0	0.0	0.0	40.4	59.2	48.4	51.1	40.4	29.6	0.0	0.0	269.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	50.6	106.8	89.9	33.7	0.0	0.0	281.0
9	**Cumin***	84.7	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.6	80.3	223.0
10	**Gram***	41.1	52.1	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	29.3	175.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	24.6	32.0	45.5	20.9	0.0	0.0	123.0
12	**Isabgol***	98.2	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5	110.5	306.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	5.3	21.4	32.9	29.4	0.0	0.0	89.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	23.0	35.7	43.7	12.7	0.0	0.0	115.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	23.0	34.4	24.6	0.0	0.0	0.0	82.0
16	**Mustard***	52.3	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.7	58.5	33.4	209.0
17	**Onion***	40.6	82.0	127.5	136.6	68.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	455.0
18	**Red Chillies**	11.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	41.6	36.3	39.8	43.3	178.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	130.3	115.2	125.3	120.2	10.0	0.0	501.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.9	35.7	33.8	7.5	0.0	0.0	93.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.6	32.3	36.3	11.8	0.0	0.0	98.0
22	**Tomato***	83.0	152.2	186.8	207.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.3	691.9
23	**Wheat***	102.3	95.7	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.1	75.9	330.0
	Weighted Avg.	78.2	62.4	17.9	0.3	0.3	0.2	0.2	0.1	0.2	18.3	39.4	55.7	273.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dholpur												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	15.5	29.1	38.8	13.6	0.0	0.0	97.0
2	**Barley***	78.6	73.2	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5	65.0	271.0
3	**Cabbage***	74.9	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.6	72.8	214.0
4	**Citrus****	14.0	43.8	148.1	188.2	222.7	188.2	115.5	87.6	89.4	64.3	28.0	38.2	1228.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.4	36.4	45.5	24.7	0.0	0.0	130.0
6	**Corriander***	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.6	84.3	89.3	248.0
7	**Cotton**	0.0	0.0	0.0	0.0	47.6	69.7	57.1	60.2	47.6	34.9	0.0	0.0	317.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	109.8	92.5	34.7	0.0	0.0	289.0
9	**Cumin***	84.7	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.6	80.3	223.0
10	**Gram***	41.3	52.4	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	29.4	175.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	32.0	41.6	59.2	27.2	0.0	0.0	160.0
12	**Isabgol***	99.5	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.4	112.0	311.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	6.7	26.6	41.1	36.6	0.0	0.0	111.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	24.8	38.4	47.1	13.6	0.0	0.0	123.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	27.7	41.6	29.7	0.0	0.0	0.0	99.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	40.7	82.2	127.8	136.9	68.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	456.1
18	**Red Chillies**	13.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	50.7	44.2	48.6	52.8	217.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	137.8	121.9	132.5	127.2	10.6	0.0	530.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	21.2	44.8	42.5	9.4	0.0	0.0	117.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.5	37.6	42.2	13.7	0.0	0.0	114.0
22	**Tomato***	83.5	153.1	187.9	208.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.6	695.9
23	**Wheat***	102.6	96.0	33.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	76.1	331.0
	Weighted Avg.	78.6	62.7	17.9	0.4	0.3	0.3	0.2	0.1	0.2	18.5	39.8	56	275

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dholpur Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.4	47.7	63.6	22.3	0.0	0.0	159.0
2	**Barley***	79.5	74.0	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.9	65.8	274.1
3	**Cabbage***	75.6	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.2	73.4	216.0
4	**Citrus****	14.9	46.8	158.2	200.9	237.7	200.9	123.3	93.5	95.5	68.6	29.8	40.8	1310.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.6	50.7	63.4	34.4	0.0	0.0	181.1
6	**Corriander***	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.2	85.3	90.4	251.0
7	**Cotton**	0.0	0.0	0.0	0.0	60.0	88.0	72.0	76.0	60.0	44.0	0.0	0.0	400.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	54.2	114.4	96.3	36.1	0.0	0.0	301.0
9	**Cumin***	85.1	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.8	80.6	223.9
10	**Gram***	41.8	53.0	27.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3	29.8	178.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	45.0	58.5	83.3	38.3	0.0	0.0	225.1
12	**Isabgol***	99.8	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.6	112.3	311.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.7	38.9	59.9	53.5	0.0	0.0	162.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	36.6	56.7	69.5	20.1	0.0	0.0	182.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	51.8	77.7	55.5	0.0	0.0	0.0	185.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	40.8	82.3	128.1	137.2	68.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	457.0
18	**Red Chillies**	18.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0	67.1	58.5	64.2	69.9	287.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	151.8	134.3	146.0	140.2	11.7	0.0	584.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	29.2	61.6	58.3	13.0	0.0	0.0	162.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.6	69.0	77.3	25.1	0.0	0.0	209.0
22	**Tomato***	84.2	154.4	189.5	210.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.2	701.9
23	**Wheat***	103.2	96.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.3	76.6	333.0
	Weighted Avg.	79.1	63.2	18.1	0.4	0.3	0.3	0.2	0.1	0.3	18.8	40.1	56.4	277.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dholpur												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	31.2	58.5	78.0	27.3	0.0	0.0	195.0
2	**Barley***	79.8	74.3	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	66.0	275.1
3	**Cabbage***	76.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.4	73.8	217.1
4	**Citrus****	15.6	48.8	165.2	209.8	248.2	209.8	128.8	97.6	99.7	71.7	31.2	42.6	1369.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	38.7	60.2	75.3	40.9	0.0	0.0	215.1
6	**Corriander***	30.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.4	85.7	90.7	252.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.7	100.8	82.4	87.0	68.7	50.4	0.0	0.0	458.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.0	118.2	99.5	37.3	0.0	0.0	311.0
9	**Cumin***	85.1	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.8	80.6	223.9
10	**Gram***	42.0	53.3	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	29.9	178.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	54.2	70.5	100.3	46.1	0.0	0.0	271.1
12	**Isabgol***	100.2	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.9	112.7	313.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	11.5	46.1	71.0	63.4	0.0	0.0	192.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	42.8	66.3	81.3	23.5	0.0	0.0	213.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	64.4	96.6	69.0	0.0	0.0	0.0	230.0
16	**Mustard***	53.5	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.7	59.9	34.2	214.0
17	**Onion***	40.9	82.5	128.3	137.5	68.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	458.0
18	**Red Chillies**	21.2	10.6	0.0	0.0	0.0	0.0	0.0	0.0	78.0	68.1	74.8	81.3	334.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	161.2	142.6	155.0	148.8	12.4	0.0	620.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	34.7	73.3	69.5	15.4	0.0	0.0	192.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	45.2	82.8	92.9	30.1	0.0	0.0	251.0
22	**Tomato***	84.7	155.3	190.6	211.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.5	705.9
23	**Wheat***	103.5	96.9	33.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.4	76.8	334.0
	Weighted Avg.	79.4	63.4	18.1	0.4	0.3	0.3	0.2	0.1	0.3	18.9	40.3	56.6	278.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dungarpur												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	8.2	15.3	20.4	7.1	0.0	0.0	51.0
2	**Barley***	80.6	75.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.4	66.7	278.0
3	**Cabbage***	86.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	84.0	247.1
4	**Citrus****	11.8	37.0	125.1	158.9	188.0	158.9	97.6	74.0	75.5	54.3	23.6	32.3	1037.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	10.6	16.5	20.7	11.2	0.0	0.0	59.0
6	**Corriander***	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.4	53.7	56.9	158.0
7	**Cotton**	0.0	0.0	0.0	0.0	25.2	37.0	30.2	31.9	25.2	18.5	0.0	0.0	168.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	50.9	107.5	90.6	34.0	0.0	0.0	283.0
9	**Cumin***	101.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	96.5	268.0
10	**Gram***	41.3	52.4	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	29.4	175.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	15.4	20.0	28.5	13.1	0.0	0.0	77.0
12	**Isabgol***	109.4	34.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.2	123.1	341.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	4.6	18.2	28.1	25.1	0.0	0.0	76.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	20.2	31.3	38.4	11.1	0.0	0.0	101.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	13.2	19.7	14.1	0.0	0.0	0.0	47.0
16	**Mustard***	62.3	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.3	69.7	39.8	249.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	25.7	28.2	30.7	126.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	115.4	102.1	111.0	106.6	8.9	0.0	444.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	46.0	43.6	9.7	0.0	0.0	121.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	10.4	19.1	21.5	7.0	0.0	0.0	58.0
22	**Tomato***	80.0	146.7	180.1	200.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	666.9
23	**Wheat***	113.2	105.9	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	84.0	365.2
	Weighted Avg.	110.3	103.3	35.9	0.4	0.3	0.3	0.3	0.2	0.2	0.5	25.8	81.8	359.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dungarpur Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	11.4	21.3	28.4	9.9	0.0	0.0	71.0
2	**Barley***	80.9	75.3	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.5	67.0	279.0
3	**Cabbage***	86.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	84.0	247.1
4	**Citrus****	12.3	38.5	130.2	165.4	195.7	165.4	101.5	77.0	78.6	56.5	24.6	33.6	1079.3
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	13.7	21.3	26.6	14.4	0.0	0.0	76.0
6	**Corriander***	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	54.1	57.2	159.0
7	**Cotton**	0.0	0.0	0.0	0.0	29.7	43.6	35.6	37.6	29.7	21.8	0.0	0.0	198.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	110.6	93.1	34.9	0.0	0.0	291.0
9	**Cumin***	101.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	96.5	268.0
10	**Gram***	41.6	52.7	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2	29.6	177.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	26.0	37.0	17.0	0.0	0.0	100.0
12	**Isabgol***	110.7	34.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.1	124.6	346.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	5.7	22.8	35.2	31.4	0.0	0.0	95.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	33.8	41.4	12.0	0.0	0.0	109.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	23.9	17.1	0.0	0.0	0.0	57.0
16	**Mustard***	62.8	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.7	70.3	40.2	251.1
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	9.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	35.7	31.2	34.2	37.3	153.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	122.2	108.1	117.5	112.8	9.4	0.0	470.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.0	57.0	54.0	12.0	0.0	0.0	150.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	12.1	22.1	24.8	8.0	0.0	0.0	67.0
22	**Tomato***	80.4	147.4	180.9	201.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.3	670.0
23	**Wheat***	113.5	106.1	36.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	84.2	366.0
	Weighted Avg.	110.6	103.5	36.0	0.4	0.3	0.4	0.3	0.3	0.2	0.5	25.8	82.0	360.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dungarpur												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.6	34.8	46.4	16.2	0.0	0.0	116.0
2	**Barley***	81.8	76.1	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.8	67.7	282.0
3	**Cabbage***	87.2	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.7	84.7	249.1
4	**Citrus****	13.1	41.1	139.1	176.7	209.1	176.7	108.5	82.2	84.0	60.4	26.2	35.9	1153.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	29.4	36.8	20.0	0.0	0.0	105.1
6	**Corriander***	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.4	57.6	160.0
7	**Cotton**	0.0	0.0	0.0	0.0	37.5	55.0	45.0	47.5	37.5	27.5	0.0	0.0	250.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	54.5	115.1	97.0	36.4	0.0	0.0	303.0
9	**Cumin***	102.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	96.8	268.9
10	**Gram***	42.0	53.3	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	29.9	178.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.2	36.7	52.2	24.0	0.0	0.0	141.1
12	**Isabgol***	111.0	34.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.3	124.9	346.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	8.4	33.6	51.8	46.2	0.0	0.0	140.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	32.0	49.6	60.8	17.6	0.0	0.0	160.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	29.7	44.5	31.8	0.0	0.0	0.0	106.0
16	**Mustard***	63.3	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.1	70.8	40.5	253.1
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.2	41.2	45.2	49.2	202.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	134.4	118.9	129.3	124.1	10.3	0.0	517.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	79.0	74.9	16.6	0.0	0.0	207.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	22.1	40.6	45.5	14.8	0.0	0.0	123.0
22	**Tomato***	81.1	148.7	182.5	202.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	675.9
23	**Wheat***	114.1	106.7	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.6	368.0
	Weighted Avg.	111.2	104.1	36.3	0.4	0.4	0.4	0.3	0.3	0.3	0.6	26.0	82.4	362.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Dungarpur												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	42.6	56.8	19.9	0.0	0.0	142.0
2	**Barley***	82.1	76.4	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	67.9	283.0
3	**Cabbage***	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	85.0	250.0
4	**Citrus****	13.7	42.9	145.2	184.5	218.3	184.5	113.3	85.9	87.7	63.0	27.4	37.5	1203.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	35.0	43.8	23.8	0.0	0.0	125.1
6	**Corriander***	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	54.7	58.0	161.0
7	**Cotton**	0.0	0.0	0.0	0.0	42.9	62.9	51.5	54.3	42.9	31.5	0.0	0.0	286.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	102.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	96.8	268.9
10	**Gram***	42.3	53.6	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	30.1	180.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	43.9	62.5	28.7	0.0	0.0	168.9
12	**Isabgol***	111.4	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.6	125.3	348.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.9	39.6	61.1	54.5	0.0	0.0	165.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	58.0	71.1	20.6	0.0	0.0	187.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	36.7	55.0	39.3	0.0	0.0	0.0	131.0
16	**Mustard***	63.5	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.3	71.1	40.6	254.0
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	15.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	55.1	48.1	52.8	57.5	236.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	142.7	126.3	137.3	131.8	11.0	0.0	549.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	44.5	93.9	88.9	19.8	0.0	0.0	247.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	26.6	48.8	54.8	17.8	0.0	0.0	148.0
22	**Tomato***	81.6	149.6	183.6	204.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	680.0
23	**Wheat***	114.4	107.0	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.9	369.0
	Weighted Avg.	111.5	104.4	36.4	0.4	0.4	0.5	0.4	0.4	0.3	0.6	26.0	82.7	364.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Ganganagar Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	35.4	47.2	16.5	0.0	0.0	118.0
2	**Barley***	66.1	61.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	54.7	228.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.7	40.0	50.1	27.2	0.0	0.0	143.0
6	**Corriander***	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4	91.5	96.8	269.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.1	85.1	69.7	73.5	58.1	42.6	0.0	0.0	387.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.3	48.6	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	27.2	163.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	40.0	52.0	74.0	34.0	0.0	0.0	200.0
12	**Isabgol***	90.9	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	102.2	284.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.5	42.0	64.8	57.8	0.0	0.0	175.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	39.2	58.8	42.0	0.0	0.0	0.0	140.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	33.9	68.5	106.5	114.1	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.1
18	**Red Chillies**	17.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.1	55.0	60.4	65.7	269.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.1	135.5	147.3	141.4	11.8	0.0	589.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.5	32.0	35.9	11.6	0.0	0.0	97.0
22	**Tomato***	76.6	140.4	172.3	191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	638.1
23	**Wheat***	95.2	89.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	70.6	307.0
	Weighted Avg.	45.3	36.6	11.6	1.6	14.6	20.3	21.4	23.6	21.0	25.4	25.2	32.5	279.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Ganganagar Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.9	48.6	64.8	22.7	0.0	0.0	162.0
2	**Barley***	66.4	61.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	55.0	229.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	91.8	97.2	270.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.3	100.1	81.9	86.5	68.3	50.1	0.0	0.0	455.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	122.4	103.0	38.6	0.0	0.0	322.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.5	48.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	27.4	164.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	67.6	96.2	44.2	0.0	0.0	260.0
12	**Isabgol***	92.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	103.7	288.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.1	52.6	81.0	72.3	0.0	0.0	219.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	46.2	71.6	87.8	25.4	0.0	0.0	231.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	47.9	71.8	51.3	0.0	0.0	0.0	171.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	34.0	68.6	106.8	114.4	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.0
18	**Red Chillies**	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.6	66.8	73.4	79.9	327.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.3	37.3	41.8	13.6	0.0	0.0	113.0
22	**Tomato***	77.0	141.2	173.3	192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	641.9
23	**Wheat***	95.5	89.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	70.8	308.0
	Weighted Avg.	45.6	36.8	11.7	1.6	16.9	23.6	25.1	27.9	24.9	28.0	25.4	32.7	300.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Ganganagar												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	80.1	106.8	37.4	0.0	0.0	267.0
2	**Barley***	67.0	62.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	55.4	231.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.6	88.2	47.9	0.0	0.0	252.1
6	**Corriander***	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	92.5	97.9	272.0
7	**Cotton**	0.0	0.0	0.0	0.0	86.1	126.3	103.3	109.1	86.1	63.1	0.0	0.0	574.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	127.7	107.5	40.3	0.0	0.0	336.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	38.8	49.2	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	27.6	165.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	73.0	94.9	135.1	62.1	0.0	0.0	365.1
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	77.0	118.8	105.9	0.0	0.0	321.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.2	105.7	129.6	37.5	0.0	0.0	341.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	88.8	133.1	95.1	0.0	0.0	0.0	317.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	34.1	68.8	107.0	114.7	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.0
18	**Red Chillies**	27.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	101.4	88.5	97.1	105.7	434.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	178.4	157.8	171.5	164.6	13.7	0.0	686.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.3	68.3	76.6	24.8	0.0	0.0	207.0
22	**Tomato***	77.6	142.3	174.7	194.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.2	646.9
23	**Wheat***	95.8	89.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	71.1	309.0
	Weighted Avg.	45.9	37.0	11.8	1.7	21.0	29.5	32.2	36.3	32.4	32.5	25.6	32.9	338.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Ganganagar Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	52.2	97.8	130.4	45.6	0.0	0.0	326.0
2	**Barley***	67.3	62.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	55.7	232.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	54.0	84.0	105.0	57.0	0.0	0.0	300.0
6	**Corriander***	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	92.8	98.3	273.0
7	**Cotton**	0.0	0.0	0.0	0.0	98.9	145.0	118.6	125.2	98.9	72.5	0.0	0.0	659.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	62.5	131.9	111.0	41.6	0.0	0.0	347.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	39.0	49.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	27.8	166.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	87.8	114.1	162.4	74.6	0.0	0.0	438.9
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	91.0	140.2	125.1	0.0	0.0	379.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	79.6	123.4	151.2	43.8	0.0	0.0	398.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	110.3	165.5	118.2	0.0	0.0	0.0	394.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	34.2	69.0	107.3	115.0	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.0
18	**Red Chillies**	32.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0	118.0	102.9	113.0	123.0	505.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	189.5	167.7	182.3	175.0	14.6	0.0	729.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	44.8	82.2	92.1	29.9	0.0	0.0	249.0
22	**Tomato***	78.1	143.2	175.8	195.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	651.0
23	**Wheat***	96.1	89.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	71.3	310.0
	Weighted Avg.	46.0	37.1	11.9	1.8	23.9	33.7	37.0	41.9	37.5	35.6	25.7	33.0	365.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Hanumangarh												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	35.4	47.2	16.5	0.0	0.0	118.0
2	**Barley***	66.1	61.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	54.7	228.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.7	40.0	50.1	27.2	0.0	0.0	143.0
6	**Corriander***	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4	91.5	96.8	269.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.1	85.1	69.7	73.5	58.1	42.6	0.0	0.0	387.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.3	48.6	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	27.2	163.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	40.0	52.0	74.0	34.0	0.0	0.0	200.0
12	**Isabgol***	90.9	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	102.2	284.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.5	42.0	64.8	57.8	0.0	0.0	175.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	39.2	58.8	42.0	0.0	0.0	0.0	140.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	33.9	68.5	106.5	114.1	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.1
18	**Red Chillies**	17.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.1	55.0	60.4	65.7	269.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.1	135.5	147.3	141.4	11.8	0.0	589.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.5	32.0	35.9	11.6	0.0	0.0	97.0
22	**Tomato***	76.6	140.4	172.3	191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	638.1
23	**Wheat***	95.2	89.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	70.6	307.0
	Weighted Avg.	45.0	39.2	12.8	0.3	16.9	24.6	28.9	30.8	27.7	26.0	18.4	32.8	303.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Hanumangarh Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.9	48.6	64.8	22.7	0.0	0.0	162.0
2	**Barley***	66.4	61.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	55.0	229.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	91.8	97.2	270.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.3	100.1	81.9	86.5	68.3	50.1	0.0	0.0	455.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	122.4	103.0	38.6	0.0	0.0	322.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.5	48.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	27.4	164.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	67.6	96.2	44.2	0.0	0.0	260.0
12	**Isabgol***	92.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	103.7	288.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.1	52.6	81.0	72.3	0.0	0.0	219.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	46.2	71.6	87.8	25.4	0.0	0.0	231.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	47.9	71.8	51.3	0.0	0.0	0.0	171.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	34.0	68.6	106.8	114.4	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.0
18	**Red Chillies**	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.6	66.8	73.4	79.9	327.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.3	37.3	41.8	13.6	0.0	0.0	113.0
22	**Tomato***	77.0	141.2	173.3	192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	641.9
23	**Wheat***	95.5	89.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	70.8	308.0
	Weighted Avg.	45.2	39.4	12.8	0.3	19.9	28.9	33.6	36.0	32.4	29.2	18.6	32.9	329.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Hanumangarh												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	80.1	106.8	37.4	0.0	0.0	267.0
2	**Barley***	67.0	62.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	55.4	231.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.6	88.2	47.9	0.0	0.0	252.1
6	**Corriander***	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	92.5	97.9	272.0
7	**Cotton**	0.0	0.0	0.0	0.0	86.1	126.3	103.3	109.1	86.1	63.1	0.0	0.0	574.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	127.7	107.5	40.3	0.0	0.0	336.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	38.8	49.2	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	27.6	165.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	73.0	94.9	135.1	62.1	0.0	0.0	365.1
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	77.0	118.8	105.9	0.0	0.0	321.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.2	105.7	129.6	37.5	0.0	0.0	341.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	88.8	133.1	95.1	0.0	0.0	0.0	317.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	34.1	68.8	107.0	114.7	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.0
18	**Red Chillies**	27.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	101.4	88.5	97.1	105.7	434.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	178.4	157.8	171.5	164.6	13.7	0.0	686.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.3	68.3	76.6	24.8	0.0	0.0	207.0
22	**Tomato***	77.6	142.3	174.7	194.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.2	646.9
23	**Wheat***	95.8	89.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	71.1	309.0
	Weighted Avg.	45.4	39.6	12.9	0.4	25.0	36.4	41.9	45.5	41.0	34.8	18.7	33.1	374.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Hanumangarh Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	52.2	97.8	130.4	45.6	0.0	0.0	326.0
2	**Barley***	67.3	62.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	55.7	232.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	54.0	84.0	105.0	57.0	0.0	0.0	300.0
6	**Corriander***	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	92.8	98.3	273.0
7	**Cotton**	0.0	0.0	0.0	0.0	98.9	145.0	118.6	125.2	98.9	72.5	0.0	0.0	659.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	62.5	131.9	111.0	41.6	0.0	0.0	347.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	39.0	49.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	27.8	166.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	87.8	114.1	162.4	74.6	0.0	0.0	438.9
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	91.0	140.2	125.1	0.0	0.0	379.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	79.6	123.4	151.2	43.8	0.0	0.0	398.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	110.3	165.5	118.2	0.0	0.0	0.0	394.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	34.2	69.0	107.3	115.0	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.0
18	**Red Chillies**	32.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0	118.0	102.9	113.0	123.0	505.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	189.5	167.7	182.3	175.0	14.6	0.0	729.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	44.8	82.2	92.1	29.9	0.0	0.0	249.0
22	**Tomato***	78.1	143.2	175.8	195.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	651.0
23	**Wheat***	96.1	89.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	71.3	310.0
	Weighted Avg.	45.6	39.7	12.9	0.4	28.6	41.7	47.7	52.1	46.9	38.8	18.8	33.2	406.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jaipur Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.8	24.0	32.0	11.2	0.0	0.0	80.0
2	**Barley***	84.7	78.8	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	70.1	292.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	13.9	43.5	147.1	186.8	221.0	186.8	114.7	86.9	88.8	63.8	27.7	37.9	1218.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.8	37.0	46.2	25.1	0.0	0.0	132.1
6	**Corriander***	37.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.9	107.4	113.8	316.0
7	**Cotton**	0.0	0.0	0.0	0.0	41.4	60.7	49.7	52.4	41.4	30.4	0.0	0.0	276.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.2	125.0	105.3	39.5	0.0	0.0	329.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.0	59.6	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6	33.4	200.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	37.4	53.3	24.5	0.0	0.0	144.0
12	**Isabgol***	113.3	35.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.9	127.4	354.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.4	29.5	45.5	40.6	0.0	0.0	123.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	31.0	48.1	58.9	17.1	0.0	0.0	155.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	37.8	27.0	0.0	0.0	0.0	90.0
16	**Mustard***	65.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	72.8	41.6	260.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.0	41.0	45.0	48.9	201.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	128.2	113.4	123.3	118.3	9.9	0.0	493.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	47.5	45.0	10.0	0.0	0.0	125.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	36.6	41.1	13.3	0.0	0.0	111.0
22	**Tomato***	86.2	158.0	193.9	215.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.6	718.1
23	**Wheat***	116.9	109.3	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	86.7	377.0
	Weighted Avg.	80.5	70.4	24.7	4.9	0.3	0.1	3.5	5.1	7.1	13.9	33.3	59.4	303.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jaipur												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	17.4	32.7	43.6	15.3	0.0	0.0	109.0
2	**Barley***	85.0	79.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.2	70.3	293.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	14.4	45.2	153.0	194.3	229.9	194.3	119.3	90.4	92.4	66.4	28.9	39.4	1267.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	30.1	46.8	58.5	31.7	0.0	0.0	167.1
6	**Corriander***	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	107.8	114.1	317.0
7	**Cotton**	0.0	0.0	0.0	0.0	48.6	71.3	58.3	61.6	48.6	35.6	0.0	0.0	324.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.8	128.4	108.2	40.6	0.0	0.0	338.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.2	59.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	33.6	201.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	48.6	69.2	31.8	0.0	0.0	187.0
12	**Isabgol***	114.9	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0	129.2	359.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	37.0	57.0	50.8	0.0	0.0	154.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	33.4	51.8	63.5	18.4	0.0	0.0	167.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	30.8	46.2	33.0	0.0	0.0	0.0	110.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	15.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	57.2	49.9	54.8	59.7	245.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	135.7	120.1	130.5	125.3	10.4	0.0	522.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.1	59.3	56.2	12.5	0.0	0.0	156.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	23.2	42.6	47.7	15.5	0.0	0.0	129.0
22	**Tomato***	86.6	158.8	194.9	216.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	721.9
23	**Wheat***	117.2	109.6	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	86.9	378.0
	Weighted Avg.	80.8	70.7	24.8	4.9	0.3	0.1	4.6	6.6	9.2	14.9	33.6	59.6	310.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jaipur												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.0	72.0	25.2	0.0	0.0	180.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	90.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.8	87.4	257.1
4	**Citrus****	15.4	48.3	163.3	207.5	245.5	207.5	127.4	96.6	98.6	70.9	30.8	42.1	1353.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	41.8	65.0	81.2	44.1	0.0	0.0	232.1
6	**Corriander***	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	109.1	115.6	321.0
7	**Cotton**	0.0	0.0	0.0	0.0	61.4	90.0	73.6	77.7	61.4	45.0	0.0	0.0	409.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	133.8	112.6	42.2	0.0	0.0	352.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.7	60.5	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	33.9	203.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	68.1	96.9	44.5	0.0	0.0	261.9
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.2	83.6	74.6	0.0	0.0	226.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.4	76.6	93.9	27.2	0.0	0.0	247.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	85.7	61.2	0.0	0.0	0.0	204.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	20.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	75.7	66.0	72.5	78.9	324.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	149.2	132.0	143.5	137.8	11.5	0.0	574.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	82.1	77.8	17.3	0.0	0.0	216.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	87.4	160.2	196.6	218.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	728.1
23	**Wheat***	117.8	110.2	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	87.4	380.0
	Weighted Avg.	81.3	71.2	24.9	5.0	0.4	0.1	6.7	9.7	13.5	16.8	33.8	60.1	323.5

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jaipur												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	35.2	66.0	88.0	30.8	0.0	0.0	220.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	90.3	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	87.7	258.0
4	**Citrus****	16.1	50.4	170.6	216.7	256.4	216.7	133.0	100.8	103.0	74.0	32.2	44.0	1413.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	49.7	77.3	96.6	52.4	0.0	0.0	276.0
6	**Corriander***	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.0	109.5	115.9	322.0
7	**Cotton**	0.0	0.0	0.0	0.0	70.4	103.2	84.4	89.1	70.4	51.6	0.0	0.0	469.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.5	138.3	116.5	43.7	0.0	0.0	364.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.9	60.8	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	34.1	204.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	63.0	81.9	116.6	53.6	0.0	0.0	315.1
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	64.1	98.8	88.1	0.0	0.0	267.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	57.6	89.3	109.4	31.7	0.0	0.0	288.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.1	106.7	76.2	0.0	0.0	0.0	254.0
16	**Mustard***	66.3	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	74.2	42.4	265.1
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	23.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0	88.1	76.8	84.4	91.8	377.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	158.6	140.3	152.5	146.4	12.2	0.0	610.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	46.3	97.7	92.5	20.6	0.0	0.0	257.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	51.5	94.4	105.8	34.3	0.0	0.0	286.0
22	**Tomato***	88.0	161.3	197.9	219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	733.1
23	**Wheat***	118.1	110.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	87.6	381.0
	Weighted Avg.	81.6	71.4	25.0	5.0	0.4	0.1	8.0	11.8	16.3	18.1	34.0	60.3	332.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jaisalmer Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	19.5	36.6	48.8	17.1	0.0	0.0	122.0
2	**Barley***	82.4	76.7	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.1	68.2	284.1
3	**Cabbage***	86.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	84.3	248.0
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	39.2	49.0	26.6	0.0	0.0	140.0
6	**Corriander***	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.6	105.1	111.2	309.0
7	**Cotton**	0.0	0.0	0.0	0.0	49.8	73.0	59.8	63.1	49.8	36.5	0.0	0.0	332.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.4	125.4	105.6	39.6	0.0	0.0	330.0
9	**Cumin***	103.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	97.9	272.0
10	**Gram***	43.0	54.5	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.1	30.6	183.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	35.8	46.5	66.2	30.4	0.0	0.0	178.9
12	**Isabgol***	110.4	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.9	124.2	345.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.7	38.6	59.6	53.1	0.0	0.0	161.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	39.8	61.7	75.6	21.9	0.0	0.0	199.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	34.2	51.2	36.6	0.0	0.0	0.0	122.0
16	**Mustard***	64.8	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.2	72.5	41.4	259.0
17	**Onion***	37.6	75.8	118.0	126.4	63.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	421.0
18	**Red Chillies**	15.5	7.7	0.0	0.0	0.0	0.0	0.0	0.0	57.0	49.7	54.6	59.4	243.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	133.9	118.5	128.8	123.6	10.3	0.0	515.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.1	46.7	44.3	9.8	0.0	0.0	122.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	13.3	24.4	27.4	8.9	0.0	0.0	74.0
22	**Tomato***	82.8	151.8	186.3	207.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.1	690.0
23	**Wheat***	114.1	106.7	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.6	368.0
	Weighted Avg.	59.3	38.7	12.0	0.0	0.1	0.1	4.6	6.8	8.7	14.8	41.5	49.4	236.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jaisalmer												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	26.7	50.1	66.8	23.4	0.0	0.0	167.0
2	**Barley***	82.7	77.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2	68.4	285.1
3	**Cabbage***	86.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	84.3	248.0
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.2	50.1	62.7	34.0	0.0	0.0	179.0
6	**Corriander***	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.8	105.4	111.6	310.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.7	86.0	70.4	74.3	58.7	43.0	0.0	0.0	391.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	61.0	128.8	108.5	40.7	0.0	0.0	339.0
9	**Cumin***	103.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	97.9	272.0
10	**Gram***	43.2	54.8	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2	30.8	184.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	46.6	60.6	86.2	39.6	0.0	0.0	233.0
12	**Isabgol***	111.7	34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.8	125.6	349.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	12.1	48.5	74.7	66.7	0.0	0.0	202.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	41.4	62.2	44.4	0.0	0.0	0.0	148.0
16	**Mustard***	65.3	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.6	73.1	41.8	261.1
17	**Onion***	37.6	76.0	118.3	126.7	63.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422.0
18	**Red Chillies**	18.9	9.4	0.0	0.0	0.0	0.0	0.0	0.0	69.4	60.5	66.5	72.3	297.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	141.7	125.4	136.3	130.8	10.9	0.0	545.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.5	58.1	55.1	12.2	0.0	0.0	152.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	15.5	28.4	31.8	10.3	0.0	0.0	86.0
22	**Tomato***	83.3	152.7	187.4	208.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	694.1
23	**Wheat***	114.4	107.0	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.9	369.0
	Weighted Avg.	59.7	38.9	12.1	0.0	0.1	0.1	5.9	8.8	11.3	16.1	41.8	49.8	244.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jaisalmer												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	43.8	82.2	109.6	38.4	0.0	0.0	274.0
2	**Barley***	83.5	77.8	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.6	69.1	288.0
3	**Cabbage***	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	85.0	250.0
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	44.6	69.4	86.8	47.1	0.0	0.0	247.9
6	**Corriander***	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	106.4	112.7	313.0
7	**Cotton**	0.0	0.0	0.0	0.0	74.0	108.5	88.7	93.7	74.0	54.2	0.0	0.0	493.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.5	134.1	113.0	42.4	0.0	0.0	353.0
9	**Cumin***	103.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6	98.3	273.0
10	**Gram***	43.7	55.4	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	31.1	186.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	65.4	85.0	121.0	55.6	0.0	0.0	327.0
12	**Isabgol***	112.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	126.0	350.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	17.8	71.0	109.5	97.7	0.0	0.0	296.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	63.2	98.0	120.1	34.8	0.0	0.0	316.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	77.0	115.5	82.5	0.0	0.0	0.0	275.0
16	**Mustard***	65.8	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	73.6	42.1	263.1
17	**Onion***	37.7	76.2	118.5	127.0	63.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422.9
18	**Red Chillies**	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	91.8	80.1	88.0	95.7	393.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	156.0	138.0	150.0	144.0	12.0	0.0	600.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.2	80.6	76.3	17.0	0.0	0.0	212.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	52.1	58.5	19.0	0.0	0.0	158.0
22	**Tomato***	84.0	154.0	189.0	210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.0	700.0
23	**Wheat***	115.0	107.6	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	85.3	371.0
	Weighted Avg.	60.1	39.3	12.2	0.0	0.1	0.1	8.7	13.0	16.6	18.3	42.1	50.1	260.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jaisalmer												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	53.6	100.5	134.0	46.9	0.0	0.0	335.0
2	**Barley***	83.8	78.0	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.7	69.4	289.0
3	**Cabbage***	87.9	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.3	85.3	251.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	53.1	82.6	103.3	56.1	0.0	0.0	295.1
6	**Corriander***	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.5	106.8	113.0	314.0
7	**Cotton**	0.0	0.0	0.0	0.0	84.9	124.5	101.9	107.5	84.9	62.3	0.0	0.0	566.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.7	138.7	116.8	43.8	0.0	0.0	365.0
9	**Cumin***	103.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6	98.3	273.0
10	**Gram***	43.9	55.7	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	31.3	187.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	78.6	102.2	145.4	66.8	0.0	0.0	393.0
12	**Isabgol***	112.3	35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.2	126.4	351.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	21.0	84.0	129.5	115.5	0.0	0.0	350.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	74.0	114.7	140.6	40.7	0.0	0.0	370.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	95.8	143.6	102.6	0.0	0.0	0.0	342.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	37.8	76.4	118.8	127.3	63.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	424.0
18	**Red Chillies**	29.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0	107.0	93.3	102.5	111.5	457.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	165.9	146.7	159.5	153.1	12.8	0.0	638.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	95.8	90.7	20.2	0.0	0.0	252.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	34.2	62.7	70.3	22.8	0.0	0.0	190.0
22	**Tomato***	84.5	154.9	190.1	211.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	704.1
23	**Wheat***	115.3	107.9	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	85.6	372.0
	Weighted Avg.	60.3	39.4	12.2	0.0	0.1	0.1	10.5	15.7	20.0	19.8	42.3	50.3	270.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jalore Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	19.5	36.6	48.8	17.1	0.0	0.0	122.0
2	**Barley***	82.4	76.7	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.1	68.2	284.1
3	**Cabbage***	86.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	84.3	248.0
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	39.2	49.0	26.6	0.0	0.0	140.0
6	**Corriander***	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.6	105.1	111.2	309.0
7	**Cotton**	0.0	0.0	0.0	0.0	49.8	73.0	59.8	63.1	49.8	36.5	0.0	0.0	332.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.4	125.4	105.6	39.6	0.0	0.0	330.0
9	**Cumin***	103.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	97.9	272.0
10	**Gram***	43.0	54.5	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.1	30.6	183.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	35.8	46.5	66.2	30.4	0.0	0.0	178.9
12	**Isabgol***	110.4	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.9	124.2	345.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.7	38.6	59.6	53.1	0.0	0.0	161.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	39.8	61.7	75.6	21.9	0.0	0.0	199.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	34.2	51.2	36.6	0.0	0.0	0.0	122.0
16	**Mustard***	64.8	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.2	72.5	41.4	259.0
17	**Onion***	37.6	75.8	118.0	126.4	63.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	421.0
18	**Red Chillies**	15.5	7.7	0.0	0.0	0.0	0.0	0.0	0.0	57.0	49.7	54.6	59.4	243.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	133.9	118.5	128.8	123.6	10.3	0.0	515.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.1	46.7	44.3	9.8	0.0	0.0	122.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	13.3	24.4	27.4	8.9	0.0	0.0	74.0
22	**Tomato***	82.8	151.8	186.3	207.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.1	690.0
23	**Wheat***	114.1	106.7	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.6	368.0
	Weighted Avg.	89.7	37.8	6.1	0.6	0.3	0.3	1.2	1.9	2.5	16.1	57.3	79.3	293.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jalore												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	26.7	50.1	66.8	23.4	0.0	0.0	167.0
2	**Barley***	82.7	77.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2	68.4	285.1
3	**Cabbage***	86.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	84.3	248.0
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.2	50.1	62.7	34.0	0.0	0.0	179.0
6	**Corriander***	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.8	105.4	111.6	310.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.7	86.0	70.4	74.3	58.7	43.0	0.0	0.0	391.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	61.0	128.8	108.5	40.7	0.0	0.0	339.0
9	**Cumin***	103.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	97.9	272.0
10	**Gram***	43.2	54.8	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2	30.8	184.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	46.6	60.6	86.2	39.6	0.0	0.0	233.0
12	**Isabgol***	111.7	34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.8	125.6	349.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	12.1	48.5	74.7	66.7	0.0	0.0	202.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	41.4	62.2	44.4	0.0	0.0	0.0	148.0
16	**Mustard***	65.3	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.6	73.1	41.8	261.1
17	**Onion***	37.6	76.0	118.3	126.7	63.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422.0
18	**Red Chillies**	18.9	9.4	0.0	0.0	0.0	0.0	0.0	0.0	69.4	60.5	66.5	72.3	297.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	141.7	125.4	136.3	130.8	10.9	0.0	545.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.5	58.1	55.1	12.2	0.0	0.0	152.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	15.5	28.4	31.8	10.3	0.0	0.0	86.0
22	**Tomato***	83.3	152.7	187.4	208.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	694.1
23	**Wheat***	114.4	107.0	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.9	369.0
	Weighted Avg.	90.2	38.0	6.1	0.6	0.3	0.3	1.6	2.5	3.3	16.5	57.7	79.7	296.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jalore												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	43.8	82.2	109.6	38.4	0.0	0.0	274.0
2	**Barley***	83.5	77.8	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.6	69.1	288.0
3	**Cabbage***	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	85.0	250.0
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	44.6	69.4	86.8	47.1	0.0	0.0	247.9
6	**Corriander***	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	106.4	112.7	313.0
7	**Cotton**	0.0	0.0	0.0	0.0	74.0	108.5	88.7	93.7	74.0	54.2	0.0	0.0	493.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.5	134.1	113.0	42.4	0.0	0.0	353.0
9	**Cumin***	103.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6	98.3	273.0
10	**Gram***	43.7	55.4	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	31.1	186.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	65.4	85.0	121.0	55.6	0.0	0.0	327.0
12	**Isabgol***	112.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	126.0	350.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	17.8	71.0	109.5	97.7	0.0	0.0	296.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	63.2	98.0	120.1	34.8	0.0	0.0	316.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	77.0	115.5	82.5	0.0	0.0	0.0	275.0
16	**Mustard***	65.8	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	73.6	42.1	263.1
17	**Onion***	37.7	76.2	118.5	127.0	63.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422.9
18	**Red Chillies**	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	91.8	80.1	88.0	95.7	393.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	156.0	138.0	150.0	144.0	12.0	0.0	600.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.2	80.6	76.3	17.0	0.0	0.0	212.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	52.1	58.5	19.0	0.0	0.0	158.0
22	**Tomato***	84.0	154.0	189.0	210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.0	700.0
23	**Wheat***	115.0	107.6	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	85.3	371.0
	Weighted Avg.	90.6	38.3	6.2	0.6	0.3	0.4	2.4	3.8	5.0	17.3	58.0	80.1	303.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jalore												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	53.6	100.5	134.0	46.9	0.0	0.0	335.0
2	**Barley***	83.8	78.0	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.7	69.4	289.0
3	**Cabbage***	87.9	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.3	85.3	251.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	53.1	82.6	103.3	56.1	0.0	0.0	295.1
6	**Corriander***	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.5	106.8	113.0	314.0
7	**Cotton**	0.0	0.0	0.0	0.0	84.9	124.5	101.9	107.5	84.9	62.3	0.0	0.0	566.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.7	138.7	116.8	43.8	0.0	0.0	365.0
9	**Cumin***	103.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6	98.3	273.0
10	**Gram***	43.9	55.7	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	31.3	187.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	78.6	102.2	145.4	66.8	0.0	0.0	393.0
12	**Isabgol***	112.3	35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.2	126.4	351.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	21.0	84.0	129.5	115.5	0.0	0.0	350.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	74.0	114.7	140.6	40.7	0.0	0.0	370.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	95.8	143.6	102.6	0.0	0.0	0.0	342.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	37.8	76.4	118.8	127.3	63.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	424.0
18	**Red Chillies**	29.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0	107.0	93.3	102.5	111.5	457.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	165.9	146.7	159.5	153.1	12.8	0.0	638.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	95.8	90.7	20.2	0.0	0.0	252.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	34.2	62.7	70.3	22.8	0.0	0.0	190.0
22	**Tomato***	84.5	154.9	190.1	211.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	704.1
23	**Wheat***	115.3	107.9	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	85.6	372.0
	Weighted Avg.	90.8	38.4	6.2	0.6	0.4	0.5	2.8	4.6	6.1	17.8	58.1	80.3	306.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jhalawar Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.0	22.5	30.0	10.5	0.0	0.0	75.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	95.2	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	92.5	272.0
4	**Citrus****	13.8	43.2	146.2	185.8	219.8	185.8	114.0	86.4	88.3	63.5	27.6	37.7	1212.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	14.0	21.8	27.3	14.8	0.0	0.0	77.9
6	**Corriander***	35.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	101.3	107.3	298.0
7	**Cotton**	0.0	0.0	0.0	0.0	37.5	55.0	45.0	47.5	37.5	27.5	0.0	0.0	250.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	53.1	112.1	94.4	35.4	0.0	0.0	295.0
9	**Cumin***	108.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.2	103.0	286.1
10	**Gram***	44.6	56.6	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1	31.8	190.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	23.4	30.4	43.3	19.9	0.0	0.0	117.0
12	**Isabgol***	120.3	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.7	135.4	376.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	6.3	25.2	38.9	34.7	0.0	0.0	105.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	26.8	41.5	50.9	14.7	0.0	0.0	133.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	32.8	23.4	0.0	0.0	0.0	78.0
16	**Mustard***	64.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.8	72.0	41.1	257.0
17	**Onion***	44.7	90.3	140.4	150.4	75.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	501.0
18	**Red Chillies**	10.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	39.5	34.4	37.8	41.2	169.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	139.4	123.3	134.0	128.6	10.7	0.0	536.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	23.6	49.8	47.2	10.5	0.0	0.0	131.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	13.3	24.4	27.4	8.9	0.0	0.0	74.0
22	**Tomato***	88.6	162.4	199.3	221.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.4	738.1
23	**Wheat***	124.0	116.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	92.0	400.0
	Weighted Avg.	66.4	45.1	19.6	7.5	8.4	7.0	5.8	4.5	4.8	34.6	66.2	83.4	353.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jhalawar Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	16.5	30.9	41.2	14.4	0.0	0.0	103.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	95.2	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	92.5	272.0
4	**Citrus****	14.4	45.0	152.1	193.3	228.7	193.3	118.6	89.9	91.8	66.0	28.7	39.2	1261.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	17.8	27.7	34.7	18.8	0.0	0.0	99.0
6	**Corriander***	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	101.7	107.6	299.0
7	**Cotton**	0.0	0.0	0.0	0.0	44.1	64.7	52.9	55.9	44.1	32.3	0.0	0.0	294.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	54.7	115.5	97.3	36.5	0.0	0.0	304.0
9	**Cumin***	108.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.2	103.0	286.1
10	**Gram***	44.9	56.9	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	31.9	191.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	30.4	39.5	56.2	25.8	0.0	0.0	151.9
12	**Isabgol***	121.9	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.8	137.2	381.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.9	31.4	48.5	43.2	0.0	0.0	131.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	44.6	54.7	15.8	0.0	0.0	143.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	26.6	39.9	28.5	0.0	0.0	0.0	95.0
16	**Mustard***	64.8	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.2	72.5	41.4	259.0
17	**Onion***	44.8	90.4	140.7	150.7	75.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	502.0
18	**Red Chillies**	13.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	47.9	41.8	45.9	49.9	205.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	147.4	130.4	141.8	136.1	11.3	0.0	567.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	29.3	61.9	58.7	13.0	0.0	0.0	162.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	15.7	28.7	32.2	10.4	0.0	0.0	87.0
22	**Tomato***	89.2	163.5	200.6	222.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.9	743.1
23	**Wheat***	124.3	116.3	40.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1	92.2	401.0
	Weighted Avg.	66.6	45.3	19.8	7.7	8.7	7.3	6.0	4.8	5.0	34.9	66.5	83.7	356.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jhalawar Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	27.2	51.0	68.0	23.8	0.0	0.0	170.0
2	**Barley***	87.0	81.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	72.0	300.0
3	**Cabbage***	95.9	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.2	93.2	274.0
4	**Citrus****	15.3	48.0	162.5	206.4	244.3	206.4	126.7	96.1	98.1	70.5	30.7	41.9	1346.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	24.8	38.6	48.3	26.2	0.0	0.0	137.9
6	**Corriander***	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	102.7	108.7	302.0
7	**Cotton**	0.0	0.0	0.0	0.0	55.7	81.6	66.8	70.5	55.7	40.8	0.0	0.0	371.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.9	120.1	101.1	37.9	0.0	0.0	316.0
9	**Cumin***	109.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	103.3	287.0
10	**Gram***	45.3	57.5	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	32.3	193.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	42.8	55.6	79.2	36.4	0.0	0.0	214.0
12	**Isabgol***	122.2	38.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.0	137.5	381.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	11.5	46.1	71.0	63.4	0.0	0.0	192.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	42.6	66.0	80.9	23.4	0.0	0.0	212.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	49.6	74.3	53.1	0.0	0.0	0.0	177.0
16	**Mustard***	65.3	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.6	73.1	41.8	261.1
17	**Onion***	44.9	90.6	141.0	151.0	75.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	503.0
18	**Red Chillies**	17.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.3	55.2	60.7	66.0	271.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	40.5	85.5	81.0	18.0	0.0	0.0	225.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	28.6	52.5	58.8	19.1	0.0	0.0	159.0
22	**Tomato***	89.9	164.8	202.2	224.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.4	749.0
23	**Wheat***	124.9	116.9	40.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.2	92.7	403.0
	Weighted Avg.	67.1	45.7	20.3	8.2	9.3	7.8	6.5	5.1	5.4	35.6	67.2	84.6	362.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jhalawar Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	33.1	62.1	82.8	29.0	0.0	0.0	207.0
2	**Barley***	87.3	81.3	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.1	72.2	301.0
3	**Cabbage***	96.3	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.5	93.5	275.1
4	**Citrus****	16.0	50.1	169.6	215.5	255.0	215.5	132.3	100.3	102.4	73.6	32.0	43.7	1406.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	29.5	45.9	57.4	31.2	0.0	0.0	164.0
6	**Corriander***	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.5	103.0	109.1	303.0
7	**Cotton**	0.0	0.0	0.0	0.0	63.8	93.5	76.5	80.8	63.8	46.8	0.0	0.0	425.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.9	124.3	104.6	39.2	0.0	0.0	327.0
9	**Cumin***	109.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	103.3	287.0
10	**Gram***	45.6	57.8	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7	32.4	194.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	51.4	66.8	95.1	43.7	0.0	0.0	257.0
12	**Isabgol***	122.6	38.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.3	137.9	383.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.5	84.0	74.9	0.0	0.0	227.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.6	76.9	94.2	27.3	0.0	0.0	248.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	61.3	92.0	65.7	0.0	0.0	0.0	219.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	45.1	91.0	141.5	151.6	75.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	505.0
18	**Red Chillies**	20.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	73.8	64.4	70.7	76.9	315.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	172.4	152.5	165.8	159.1	13.3	0.0	663.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	48.2	101.8	96.5	21.4	0.0	0.0	267.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	34.6	63.4	71.0	23.0	0.0	0.0	192.0
22	**Tomato***	90.4	165.7	203.3	225.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.8	753.1
23	**Wheat***	125.2	117.2	40.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	92.9	404.0
	Weighted Avg.	67.3	45.9	20.6	8.6	9.7	8.1	6.8	5.4	5.7	35.9	67.5	84.9	366.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jhunjhunu												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	35.4	47.2	16.5	0.0	0.0	118.0
2	**Barley***	66.1	61.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	54.7	228.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.7	40.0	50.1	27.2	0.0	0.0	143.0
6	**Corriander***	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4	91.5	96.8	269.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.1	85.1	69.7	73.5	58.1	42.6	0.0	0.0	387.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.3	48.6	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	27.2	163.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	40.0	52.0	74.0	34.0	0.0	0.0	200.0
12	**Isabgol***	90.9	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	102.2	284.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.5	42.0	64.8	57.8	0.0	0.0	175.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	39.2	58.8	42.0	0.0	0.0	0.0	140.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	33.9	68.5	106.5	114.1	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.1
18	**Red Chillies**	17.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.1	55.0	60.4	65.7	269.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.1	135.5	147.3	141.4	11.8	0.0	589.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.5	32.0	35.9	11.6	0.0	0.0	97.0
22	**Tomato***	76.6	140.4	172.3	191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	638.1
23	**Wheat***	95.2	89.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	70.6	307.0
	Weighted Avg.	59.2	51.2	17.2	0.8	0.4	0.0	2.1	3.8	5.0	13.8	31.3	42.3	227.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jhunjhunu												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.9	48.6	64.8	22.7	0.0	0.0	162.0
2	**Barley***	66.4	61.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	55.0	229.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	91.8	97.2	270.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.3	100.1	81.9	86.5	68.3	50.1	0.0	0.0	455.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	122.4	103.0	38.6	0.0	0.0	322.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.5	48.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	27.4	164.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	67.6	96.2	44.2	0.0	0.0	260.0
12	**Isabgol***	92.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	103.7	288.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.1	52.6	81.0	72.3	0.0	0.0	219.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	46.2	71.6	87.8	25.4	0.0	0.0	231.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	47.9	71.8	51.3	0.0	0.0	0.0	171.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	34.0	68.6	106.8	114.4	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.0
18	**Red Chillies**	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.6	66.8	73.4	79.9	327.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.3	37.3	41.8	13.6	0.0	0.0	113.0
22	**Tomato***	77.0	141.2	173.3	192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	641.9
23	**Wheat***	95.5	89.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	70.8	308.0
	Weighted Avg.	59.5	51.5	17.3	0.8	0.4	0.0	2.8	5.0	6.7	14.6	31.5	42.5	232.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jhunjhunu												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	80.1	106.8	37.4	0.0	0.0	267.0
2	**Barley***	67.0	62.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	55.4	231.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.6	88.2	47.9	0.0	0.0	252.1
6	**Corriander***	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	92.5	97.9	272.0
7	**Cotton**	0.0	0.0	0.0	0.0	86.1	126.3	103.3	109.1	86.1	63.1	0.0	0.0	574.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	127.7	107.5	40.3	0.0	0.0	336.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	38.8	49.2	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	27.6	165.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	73.0	94.9	135.1	62.1	0.0	0.0	365.1
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	77.0	118.8	105.9	0.0	0.0	321.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.2	105.7	129.6	37.5	0.0	0.0	341.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	88.8	133.1	95.1	0.0	0.0	0.0	317.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	34.1	68.8	107.0	114.7	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.0
18	**Red Chillies**	27.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	101.4	88.5	97.1	105.7	434.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	178.4	157.8	171.5	164.6	13.7	0.0	686.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.3	68.3	76.6	24.8	0.0	0.0	207.0
22	**Tomato***	77.6	142.3	174.7	194.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.2	646.9
23	**Wheat***	95.8	89.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	71.1	309.0
	Weighted Avg.	59.9	51.7	17.4	0.8	0.4	0.0	4.5	8.0	10.7	16.1	31.8	42.8	244.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jhunjhunu Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	52.2	97.8	130.4	45.6	0.0	0.0	326.0
2	**Barley***	67.3	62.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	55.7	232.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	54.0	84.0	105.0	57.0	0.0	0.0	300.0
6	**Corriander***	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	92.8	98.3	273.0
7	**Cotton**	0.0	0.0	0.0	0.0	98.9	145.0	118.6	125.2	98.9	72.5	0.0	0.0	659.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	62.5	131.9	111.0	41.6	0.0	0.0	347.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	39.0	49.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	27.8	166.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	87.8	114.1	162.4	74.6	0.0	0.0	438.9
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	91.0	140.2	125.1	0.0	0.0	379.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	79.6	123.4	151.2	43.8	0.0	0.0	398.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	110.3	165.5	118.2	0.0	0.0	0.0	394.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	34.2	69.0	107.3	115.0	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.0
18	**Red Chillies**	32.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0	118.0	102.9	113.0	123.0	505.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	189.5	167.7	182.3	175.0	14.6	0.0	729.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	44.8	82.2	92.1	29.9	0.0	0.0	249.0
22	**Tomato***	78.1	143.2	175.8	195.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	651.0
23	**Wheat***	96.1	89.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	71.3	310.0
	Weighted Avg.	60.1	52.0	17.5	0.8	0.4	0.0	5.4	9.7	12.9	17.0	32.0	43.0	250.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jodhpur												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	35.4	47.2	16.5	0.0	0.0	118.0
2	**Barley***	66.1	61.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	54.7	228.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.7	40.0	50.1	27.2	0.0	0.0	143.0
6	**Corriander***	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4	91.5	96.8	269.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.1	85.1	69.7	73.5	58.1	42.6	0.0	0.0	387.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.3	48.6	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	27.2	163.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	40.0	52.0	74.0	34.0	0.0	0.0	200.0
12	**Isabgol***	90.9	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	102.2	284.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.5	42.0	64.8	57.8	0.0	0.0	175.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	39.2	58.8	42.0	0.0	0.0	0.0	140.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	33.9	68.5	106.5	114.1	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.1
18	**Red Chillies**	17.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.1	55.0	60.4	65.7	269.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.1	135.5	147.3	141.4	11.8	0.0	589.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.5	32.0	35.9	11.6	0.0	0.0	97.0
22	**Tomato***	76.6	140.4	172.3	191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	638.1
23	**Wheat***	95.2	89.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	70.6	307.0
	Weighted Avg.	50.1	29.4	10.8	5.9	4.9	3.0	10.7	14.8	19.2	18.6	30.0	40.7	238.1

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jodhpur												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.9	48.6	64.8	22.7	0.0	0.0	162.0
2	**Barley***	66.4	61.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	55.0	229.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	91.8	97.2	270.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.3	100.1	81.9	86.5	68.3	50.1	0.0	0.0	455.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	122.4	103.0	38.6	0.0	0.0	322.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.5	48.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	27.4	164.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	67.6	96.2	44.2	0.0	0.0	260.0
12	**Isabgol***	92.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	103.7	288.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.1	52.6	81.0	72.3	0.0	0.0	219.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	46.2	71.6	87.8	25.4	0.0	0.0	231.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	47.9	71.8	51.3	0.0	0.0	0.0	171.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	34.0	68.6	106.8	114.4	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.0
18	**Red Chillies**	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.6	66.8	73.4	79.9	327.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.3	37.3	41.8	13.6	0.0	0.0	113.0
22	**Tomato***	77.0	141.2	173.3	192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	641.9
23	**Wheat***	95.5	89.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	70.8	308.0
	Weighted Avg.	50.4	29.6	10.8	5.9	5.3	3.6	13.8	19.1	25.0	21.2	30.3	41.0	256.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jodhpur Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	80.1	106.8	37.4	0.0	0.0	267.0
2	**Barley***	67.0	62.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	55.4	231.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.6	88.2	47.9	0.0	0.0	252.1
6	**Corriander***	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	92.5	97.9	272.0
7	**Cotton**	0.0	0.0	0.0	0.0	86.1	126.3	103.3	109.1	86.1	63.1	0.0	0.0	574.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	127.7	107.5	40.3	0.0	0.0	336.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	38.8	49.2	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	27.6	165.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	73.0	94.9	135.1	62.1	0.0	0.0	365.1
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	77.0	118.8	105.9	0.0	0.0	321.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.2	105.7	129.6	37.5	0.0	0.0	341.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	88.8	133.1	95.1	0.0	0.0	0.0	317.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	34.1	68.8	107.0	114.7	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.0
18	**Red Chillies**	27.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	101.4	88.5	97.1	105.7	434.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	178.4	157.8	171.5	164.6	13.7	0.0	686.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.3	68.3	76.6	24.8	0.0	0.0	207.0
22	**Tomato***	77.6	142.3	174.7	194.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.2	646.9
23	**Wheat***	95.8	89.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	71.1	309.0
	Weighted Avg.	50.7	29.7	10.8	5.9	6.0	4.5	19.7	27.8	36.5	26.3	30.6	41.4	289.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Jodhpur												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	52.2	97.8	130.4	45.6	0.0	0.0	326.0
2	**Barley***	67.3	62.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	55.7	232.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	54.0	84.0	105.0	57.0	0.0	0.0	300.0
6	**Corriander***	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	92.8	98.3	273.0
7	**Cotton**	0.0	0.0	0.0	0.0	98.9	145.0	118.6	125.2	98.9	72.5	0.0	0.0	659.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	62.5	131.9	111.0	41.6	0.0	0.0	347.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	39.0	49.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	27.8	166.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	87.8	114.1	162.4	74.6	0.0	0.0	438.9
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	91.0	140.2	125.1	0.0	0.0	379.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	79.6	123.4	151.2	43.8	0.0	0.0	398.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	110.3	165.5	118.2	0.0	0.0	0.0	394.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	34.2	69.0	107.3	115.0	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.0
18	**Red Chillies**	32.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0	118.0	102.9	113.0	123.0	505.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	189.5	167.7	182.3	175.0	14.6	0.0	729.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	44.8	82.2	92.1	29.9	0.0	0.0	249.0
22	**Tomato***	78.1	143.2	175.8	195.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	651.0
23	**Wheat***	96.1	89.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	71.3	310.0
	Weighted Avg.	50.8	29.9	10.9	5.9	6.4	5.1	23.6	33.4	44.0	29.6	30.8	41.6	312.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Karauli												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	11.4	21.3	28.4	9.9	0.0	0.0	71.0
2	**Barley***	76.9	71.6	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	63.6	265.1
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	13.2	41.4	140.2	178.1	210.7	178.1	109.3	82.9	84.6	60.8	26.4	36.1	1161.8
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	19.1	29.7	37.1	20.1	0.0	0.0	106.0
6	**Corriander***	29.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.1	83.3	88.2	245.0
7	**Cotton**	0.0	0.0	0.0	0.0	39.9	58.5	47.9	50.5	39.9	29.3	0.0	0.0	266.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	109.8	92.5	34.7	0.0	0.0	289.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	40.9	51.8	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7	29.1	174.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	24.8	32.2	45.9	21.1	0.0	0.0	124.0
12	**Isabgol***	96.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	108.0	300.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	5.0	20.2	31.1	27.7	0.0	0.0	84.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	33.8	41.4	12.0	0.0	0.0	109.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	21.6	32.3	23.1	0.0	0.0	0.0	77.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	39.8	80.4	125.0	133.9	67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	446.1
18	**Red Chillies**	11.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	42.3	36.9	40.5	44.1	181.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	131.8	116.6	126.8	121.7	10.1	0.0	507.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	30.4	34.0	11.0	0.0	0.0	92.0
22	**Tomato***	81.0	148.5	182.3	202.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	675.1
23	**Wheat***	100.1	93.7	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	74.3	323.0
	Weighted Avg.	80.8	66.7	20.1	0.6	0.3	0.3	0.2	0.2	0.3	15.6	36.6	58.0	279.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Karauli Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	15.5	29.1	38.8	13.6	0.0	0.0	97.0
2	**Barley***	77.1	71.8	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.9	63.8	265.9
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	13.8	43.1	145.9	185.3	219.2	185.3	113.7	86.2	88.1	63.3	27.5	37.6	1209.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	24.3	37.8	47.3	25.7	0.0	0.0	135.1
6	**Corriander***	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.3	83.6	88.6	246.0
7	**Cotton**	0.0	0.0	0.0	0.0	47.0	68.9	56.3	59.5	47.0	34.4	0.0	0.0	313.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	53.5	112.9	95.0	35.6	0.0	0.0	297.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	41.1	52.1	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	29.3	175.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	32.2	41.9	59.6	27.4	0.0	0.0	161.1
12	**Isabgol***	97.3	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.9	109.4	304.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	6.2	25.0	38.5	34.3	0.0	0.0	104.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	23.6	36.6	44.8	13.0	0.0	0.0	118.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	26.0	39.1	27.9	0.0	0.0	0.0	93.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	39.9	80.5	125.3	134.2	67.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	447.0
18	**Red Chillies**	14.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	51.4	44.8	49.2	53.6	220.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	139.6	123.5	134.3	128.9	10.7	0.0	537.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	19.4	35.6	40.0	13.0	0.0	0.0	108.0
22	**Tomato***	81.5	149.4	183.3	203.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.1	679.0
23	**Wheat***	100.4	94.0	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7	74.5	324.0
	Weighted Avg.	81.2	67.0	20.2	0.7	0.3	0.3	0.2	0.2	0.3	15.7	36.9	58.3	281.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Karauli Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.4	47.7	63.6	22.3	0.0	0.0	159.0
2	**Barley***	78.0	72.6	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	64.6	269.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	14.7	46.1	155.9	198.0	234.3	198.0	121.6	92.1	94.1	67.6	29.4	40.2	1292.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	33.7	52.4	65.5	35.5	0.0	0.0	187.1
6	**Corriander***	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.8	84.7	89.6	249.0
7	**Cotton**	0.0	0.0	0.0	0.0	59.3	86.9	71.1	75.1	59.3	43.5	0.0	0.0	395.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	55.6	117.4	98.9	37.1	0.0	0.0	309.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	41.6	52.7	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2	29.6	177.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	45.2	58.8	83.6	38.4	0.0	0.0	226.0
12	**Isabgol***	97.6	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	109.8	305.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	36.7	56.6	50.5	0.0	0.0	153.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	34.8	53.9	66.1	19.1	0.0	0.0	173.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	48.7	73.1	52.2	0.0	0.0	0.0	174.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	40.0	80.7	125.5	134.5	67.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	448.0
18	**Red Chillies**	18.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	68.0	59.3	65.1	70.9	291.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.7	135.9	147.8	141.8	11.8	0.0	591.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	35.5	65.0	72.9	23.6	0.0	0.0	197.0
22	**Tomato***	82.1	150.5	184.7	205.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.6	684.1
23	**Wheat***	101.1	94.5	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	75.0	326.0
	Weighted Avg.	81.8	67.4	20.3	0.7	0.4	0.3	0.3	0.3	0.4	15.9	37.2	58.7	283.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Karauli Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	31.2	58.5	78.0	27.3	0.0	0.0	195.0
2	**Barley***	78.3	72.9	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.4	64.8	270.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.3	48.1	162.6	206.6	244.4	206.6	126.8	96.1	98.2	70.6	30.7	41.9	1347.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	40.1	62.4	78.1	42.4	0.0	0.0	223.0
6	**Corriander***	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.8	84.7	89.6	249.0
7	**Cotton**	0.0	0.0	0.0	0.0	67.8	99.4	81.4	85.9	67.8	49.7	0.0	0.0	452.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	57.4	121.2	102.1	38.3	0.0	0.0	319.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	41.8	53.0	27.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3	29.8	178.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	54.4	70.7	100.6	46.2	0.0	0.0	271.9
12	**Isabgol***	97.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.3	110.2	306.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.9	43.4	67.0	59.7	0.0	0.0	181.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	40.6	62.9	77.1	22.3	0.0	0.0	202.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	90.7	64.8	0.0	0.0	0.0	216.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	40.1	80.9	125.8	134.8	67.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	449.0
18	**Red Chillies**	21.5	10.8	0.0	0.0	0.0	0.0	0.0	0.0	79.2	69.1	75.9	82.5	339.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	163.3	144.4	157.0	150.7	12.6	0.0	628.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	82.6	151.4	185.8	206.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.9	688.1
23	**Wheat***	101.4	94.8	32.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	75.2	327.0
	Weighted Avg.	82.1	67.6	20.4	0.7	0.4	0.4	0.3	0.3	0.4	16.0	37.4	58.9	284.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Kota Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.0	22.5	30.0	10.5	0.0	0.0	75.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	95.2	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	92.5	272.0
4	**Citrus****	13.8	43.2	146.2	185.8	219.8	185.8	114.0	86.4	88.3	63.5	27.6	37.7	1212.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	14.0	21.8	27.3	14.8	0.0	0.0	77.9
6	**Corriander***	35.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	101.3	107.3	298.0
7	**Cotton**	0.0	0.0	0.0	0.0	37.5	55.0	45.0	47.5	37.5	27.5	0.0	0.0	250.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	53.1	112.1	94.4	35.4	0.0	0.0	295.0
9	**Cumin***	108.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.2	103.0	286.1
10	**Gram***	44.6	56.6	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1	31.8	190.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	23.4	30.4	43.3	19.9	0.0	0.0	117.0
12	**Isabgol***	120.3	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.7	135.4	376.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	6.3	25.2	38.9	34.7	0.0	0.0	105.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	26.8	41.5	50.9	14.7	0.0	0.0	133.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	32.8	23.4	0.0	0.0	0.0	78.0
16	**Mustard***	64.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.8	72.0	41.1	257.0
17	**Onion***	44.7	90.3	140.4	150.4	75.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	501.0
18	**Red Chillies**	10.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	39.5	34.4	37.8	41.2	169.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	139.4	123.3	134.0	128.6	10.7	0.0	536.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	23.6	49.8	47.2	10.5	0.0	0.0	131.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	13.3	24.4	27.4	8.9	0.0	0.0	74.0
22	**Tomato***	88.6	162.4	199.3	221.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.4	738.1
23	**Wheat***	124.0	116.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	92.0	400.0
	Weighted Avg.	76.6	55.6	16.1	0.5	0.2	0.1	10.2	9.0	9.8	36.1	55.8	70.8	340.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Kota												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	16.5	30.9	41.2	14.4	0.0	0.0	103.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	95.2	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	92.5	272.0
4	**Citrus****	14.4	45.0	152.1	193.3	228.7	193.3	118.6	89.9	91.8	66.0	28.7	39.2	1261.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	17.8	27.7	34.7	18.8	0.0	0.0	99.0
6	**Corriander***	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	101.7	107.6	299.0
7	**Cotton**	0.0	0.0	0.0	0.0	44.1	64.7	52.9	55.9	44.1	32.3	0.0	0.0	294.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	54.7	115.5	97.3	36.5	0.0	0.0	304.0
9	**Cumin***	108.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.2	103.0	286.1
10	**Gram***	44.9	56.9	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	31.9	191.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	30.4	39.5	56.2	25.8	0.0	0.0	151.9
12	**Isabgol***	121.9	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.8	137.2	381.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.9	31.4	48.5	43.2	0.0	0.0	131.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	44.6	54.7	15.8	0.0	0.0	143.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	26.6	39.9	28.5	0.0	0.0	0.0	95.0
16	**Mustard***	64.8	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.2	72.5	41.4	259.0
17	**Onion***	44.8	90.4	140.7	150.7	75.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	502.0
18	**Red Chillies**	13.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	47.9	41.8	45.9	49.9	205.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	147.4	130.4	141.8	136.1	11.3	0.0	567.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	29.3	61.9	58.7	13.0	0.0	0.0	162.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	15.7	28.7	32.2	10.4	0.0	0.0	87.0
22	**Tomato***	89.2	163.5	200.6	222.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.9	743.1
23	**Wheat***	124.3	116.3	40.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1	92.2	401.0
	Weighted Avg.	76.9	55.8	16.2	0.5	0.2	0.2	10.8	9.5	10.4	36.8	56.2	71.1	344.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Kota Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	27.2	51.0	68.0	23.8	0.0	0.0	170.0
2	**Barley***	87.0	81.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	72.0	300.0
3	**Cabbage***	95.9	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.2	93.2	274.0
4	**Citrus****	15.3	48.0	162.5	206.4	244.3	206.4	126.7	96.1	98.1	70.5	30.7	41.9	1346.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	24.8	38.6	48.3	26.2	0.0	0.0	137.9
6	**Corriander***	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	102.7	108.7	302.0
7	**Cotton**	0.0	0.0	0.0	0.0	55.7	81.6	66.8	70.5	55.7	40.8	0.0	0.0	371.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.9	120.1	101.1	37.9	0.0	0.0	316.0
9	**Cumin***	109.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	103.3	287.0
10	**Gram***	45.3	57.5	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	32.3	193.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	42.8	55.6	79.2	36.4	0.0	0.0	214.0
12	**Isabgol***	122.2	38.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.0	137.5	381.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	11.5	46.1	71.0	63.4	0.0	0.0	192.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	42.6	66.0	80.9	23.4	0.0	0.0	212.9
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	49.6	74.3	53.1	0.0	0.0	0.0	177.0
16	**Mustard***	65.3	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.6	73.1	41.8	261.1
17	**Onion***	44.9	90.6	141.0	151.0	75.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	503.0
18	**Red Chillies**	17.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.3	55.2	60.7	66.0	271.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	40.5	85.5	81.0	18.0	0.0	0.0	225.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	28.6	52.5	58.8	19.1	0.0	0.0	159.0
22	**Tomato***	89.9	164.8	202.2	224.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.4	749.0
23	**Wheat***	124.9	116.9	40.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.2	92.7	403.0
	Weighted Avg.	77.4	56.1	16.2	0.5	0.2	0.2	11.9	10.5	11.4	38.1	56.7	71.6	350.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Kota												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	33.1	62.1	82.8	29.0	0.0	0.0	207.0
2	**Barley***	87.3	81.3	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.1	72.2	301.0
3	**Cabbage***	96.3	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.5	93.5	275.1
4	**Citrus****	16.0	50.1	169.6	215.5	255.0	215.5	132.3	100.3	102.4	73.6	32.0	43.7	1406.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	29.5	45.9	57.4	31.2	0.0	0.0	164.0
6	**Corriander***	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.5	103.0	109.1	303.0
7	**Cotton**	0.0	0.0	0.0	0.0	63.8	93.5	76.5	80.8	63.8	46.8	0.0	0.0	425.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.9	124.3	104.6	39.2	0.0	0.0	327.0
9	**Cumin***	109.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	103.3	287.0
10	**Gram***	45.6	57.8	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7	32.4	194.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	51.4	66.8	95.1	43.7	0.0	0.0	257.0
12	**Isabgol***	122.6	38.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.3	137.9	383.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.5	84.0	74.9	0.0	0.0	227.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.6	76.9	94.2	27.3	0.0	0.0	248.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	61.3	92.0	65.7	0.0	0.0	0.0	219.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	45.1	91.0	141.5	151.6	75.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	505.0
18	**Red Chillies**	20.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	73.8	64.4	70.7	76.9	315.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	172.4	152.5	165.8	159.1	13.3	0.0	663.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	48.2	101.8	96.5	21.4	0.0	0.0	267.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	34.6	63.4	71.0	23.0	0.0	0.0	192.0
22	**Tomato***	90.4	165.7	203.3	225.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.8	753.1
23	**Wheat***	125.2	117.2	40.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	92.9	404.0
	Weighted Avg.	77.6	56.3	16.3	0.5	0.2	0.2	12.6	11.1	12.1	38.9	57.0	71.8	354.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Nagaur Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	35.4	47.2	16.5	0.0	0.0	118.0
2	**Barley***	66.1	61.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	54.7	228.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.7	40.0	50.1	27.2	0.0	0.0	143.0
6	**Corriander***	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4	91.5	96.8	269.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.1	85.1	69.7	73.5	58.1	42.6	0.0	0.0	387.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.3	48.6	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	27.2	163.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	40.0	52.0	74.0	34.0	0.0	0.0	200.0
12	**Isabgol***	90.9	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	102.2	284.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.5	42.0	64.8	57.8	0.0	0.0	175.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	39.2	58.8	42.0	0.0	0.0	0.0	140.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	33.9	68.5	106.5	114.1	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.1
18	**Red Chillies**	17.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.1	55.0	60.4	65.7	269.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.1	135.5	147.3	141.4	11.8	0.0	589.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.5	32.0	35.9	11.6	0.0	0.0	97.0
22	**Tomato***	76.6	140.4	172.3	191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	638.1
23	**Wheat***	95.2	89.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	70.6	307.0
	Weighted Avg.	58.4	39.3	12.7	3.0	5.0	5.2	8.7	11.9	13.4	12.7	30.2	48.9	249.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Nagaur												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.9	48.6	64.8	22.7	0.0	0.0	162.0
2	**Barley***	66.4	61.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	55.0	229.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	91.8	97.2	270.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.3	100.1	81.9	86.5	68.3	50.1	0.0	0.0	455.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	122.4	103.0	38.6	0.0	0.0	322.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.5	48.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	27.4	164.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	67.6	96.2	44.2	0.0	0.0	260.0
12	**Isabgol***	92.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	103.7	288.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.1	52.6	81.0	72.3	0.0	0.0	219.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	46.2	71.6	87.8	25.4	0.0	0.0	231.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	47.9	71.8	51.3	0.0	0.0	0.0	171.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	34.0	68.6	106.8	114.4	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.0
18	**Red Chillies**	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.6	66.8	73.4	79.9	327.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.3	37.3	41.8	13.6	0.0	0.0	113.0
22	**Tomato***	77.0	141.2	173.3	192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	641.9
23	**Wheat***	95.5	89.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	70.8	308.0
	Weighted Avg.	58.8	39.5	12.8	3.0	5.6	6.1	10.9	15.1	17.3	14.5	30.5	49.3	263.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Nagaur												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	80.1	106.8	37.4	0.0	0.0	267.0
2	**Barley***	67.0	62.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	55.4	231.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.6	88.2	47.9	0.0	0.0	252.1
6	**Corriander***	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	92.5	97.9	272.0
7	**Cotton**	0.0	0.0	0.0	0.0	86.1	126.3	103.3	109.1	86.1	63.1	0.0	0.0	574.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	127.7	107.5	40.3	0.0	0.0	336.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	38.8	49.2	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	27.6	165.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	73.0	94.9	135.1	62.1	0.0	0.0	365.1
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	77.0	118.8	105.9	0.0	0.0	321.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.2	105.7	129.6	37.5	0.0	0.0	341.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	88.8	133.1	95.1	0.0	0.0	0.0	317.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	34.1	68.8	107.0	114.7	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.0
18	**Red Chillies**	27.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	101.4	88.5	97.1	105.7	434.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	178.4	157.8	171.5	164.6	13.7	0.0	686.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.3	68.3	76.6	24.8	0.0	0.0	207.0
22	**Tomato***	77.6	142.3	174.7	194.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.2	646.9
23	**Wheat***	95.8	89.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	71.1	309.0
	Weighted Avg.	59.1	39.7	12.8	3.0	6.7	7.7	15.5	22.1	25.8	18.1	30.6	49.5	290.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Nagaur												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	52.2	97.8	130.4	45.6	0.0	0.0	326.0
2	**Barley***	67.3	62.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	55.7	232.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	54.0	84.0	105.0	57.0	0.0	0.0	300.0
6	**Corriander***	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	92.8	98.3	273.0
7	**Cotton**	0.0	0.0	0.0	0.0	98.9	145.0	118.6	125.2	98.9	72.5	0.0	0.0	659.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	62.5	131.9	111.0	41.6	0.0	0.0	347.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	39.0	49.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	27.8	166.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	87.8	114.1	162.4	74.6	0.0	0.0	438.9
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	91.0	140.2	125.1	0.0	0.0	379.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	79.6	123.4	151.2	43.8	0.0	0.0	398.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	110.3	165.5	118.2	0.0	0.0	0.0	394.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	34.2	69.0	107.3	115.0	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.0
18	**Red Chillies**	32.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0	118.0	102.9	113.0	123.0	505.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	189.5	167.7	182.3	175.0	14.6	0.0	729.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	44.8	82.2	92.1	29.9	0.0	0.0	249.0
22	**Tomato***	78.1	143.2	175.8	195.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	651.0
23	**Wheat***	96.1	89.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	71.3	310.0
	Weighted Avg.	59.2	39.8	12.8	3.0	7.5	8.8	18.5	26.4	31.0	20.3	30.7	49.6	307.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Pali Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	19.5	36.6	48.8	17.1	0.0	0.0	122.0
2	**Barley***	82.4	76.7	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.1	68.2	284.1
3	**Cabbage***	86.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	84.3	248.0
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	39.2	49.0	26.6	0.0	0.0	140.0
6	**Corriander***	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.6	105.1	111.2	309.0
7	**Cotton**	0.0	0.0	0.0	0.0	49.8	73.0	59.8	63.1	49.8	36.5	0.0	0.0	332.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.4	125.4	105.6	39.6	0.0	0.0	330.0
9	**Cumin***	103.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	97.9	272.0
10	**Gram***	43.0	54.5	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.1	30.6	183.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	35.8	46.5	66.2	30.4	0.0	0.0	178.9
12	**Isabgol***	110.4	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.9	124.2	345.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.7	38.6	59.6	53.1	0.0	0.0	161.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	39.8	61.7	75.6	21.9	0.0	0.0	199.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	34.2	51.2	36.6	0.0	0.0	0.0	122.0
16	**Mustard***	64.8	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.2	72.5	41.4	259.0
17	**Onion***	37.6	75.8	118.0	126.4	63.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	421.0
18	**Red Chillies**	15.5	7.7	0.0	0.0	0.0	0.0	0.0	0.0	57.0	49.7	54.6	59.4	243.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	133.9	118.5	128.8	123.6	10.3	0.0	515.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.1	46.7	44.3	9.8	0.0	0.0	122.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	13.3	24.4	27.4	8.9	0.0	0.0	74.0
22	**Tomato***	82.8	151.8	186.3	207.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.1	690.0
23	**Wheat***	114.1	106.7	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.6	368.0
	Weighted Avg.	88.5	68.8	21.3	1.2	4.7	6.2	5.7	6.3	6.0	15.0	37.6	67.2	328.5

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Pali												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	26.7	50.1	66.8	23.4	0.0	0.0	167.0
2	**Barley***	82.7	77.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2	68.4	285.1
3	**Cabbage***	86.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	84.3	248.0
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.2	50.1	62.7	34.0	0.0	0.0	179.0
6	**Corriander***	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.8	105.4	111.6	310.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.7	86.0	70.4	74.3	58.7	43.0	0.0	0.0	391.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	61.0	128.8	108.5	40.7	0.0	0.0	339.0
9	**Cumin***	103.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	97.9	272.0
10	**Gram***	43.2	54.8	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2	30.8	184.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	46.6	60.6	86.2	39.6	0.0	0.0	233.0
12	**Isabgol***	111.7	34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.8	125.6	349.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	12.1	48.5	74.7	66.7	0.0	0.0	202.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	41.4	62.2	44.4	0.0	0.0	0.0	148.0
16	**Mustard***	65.3	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.6	73.1	41.8	261.1
17	**Onion***	37.6	76.0	118.3	126.7	63.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422.0
18	**Red Chillies**	18.9	9.4	0.0	0.0	0.0	0.0	0.0	0.0	69.4	60.5	66.5	72.3	297.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	141.7	125.4	136.3	130.8	10.9	0.0	545.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.5	58.1	55.1	12.2	0.0	0.0	152.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	15.5	28.4	31.8	10.3	0.0	0.0	86.0
22	**Tomato***	83.3	152.7	187.4	208.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	694.1
23	**Wheat***	114.4	107.0	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.9	369.0
	Weighted Avg.	88.9	69.1	21.4	1.2	5.4	7.1	6.5	7.2	6.9	15.8	37.9	67.6	335.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Pali Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	43.8	82.2	109.6	38.4	0.0	0.0	274.0
2	**Barley***	83.5	77.8	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.6	69.1	288.0
3	**Cabbage***	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	85.0	250.0
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	44.6	69.4	86.8	47.1	0.0	0.0	247.9
6	**Corriander***	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	106.4	112.7	313.0
7	**Cotton**	0.0	0.0	0.0	0.0	74.0	108.5	88.7	93.7	74.0	54.2	0.0	0.0	493.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.5	134.1	113.0	42.4	0.0	0.0	353.0
9	**Cumin***	103.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6	98.3	273.0
10	**Gram***	43.7	55.4	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	31.1	186.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	65.4	85.0	121.0	55.6	0.0	0.0	327.0
12	**Isabgol***	112.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	126.0	350.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	17.8	71.0	109.5	97.7	0.0	0.0	296.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	63.2	98.0	120.1	34.8	0.0	0.0	316.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	77.0	115.5	82.5	0.0	0.0	0.0	275.0
16	**Mustard***	65.8	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	73.6	42.1	263.1
17	**Onion***	37.7	76.2	118.5	127.0	63.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422.9
18	**Red Chillies**	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	91.8	80.1	88.0	95.7	393.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	156.0	138.0	150.0	144.0	12.0	0.0	600.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.2	80.6	76.3	17.0	0.0	0.0	212.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	52.1	58.5	19.0	0.0	0.0	158.0
22	**Tomato***	84.0	154.0	189.0	210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.0	700.0
23	**Wheat***	115.0	107.6	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	85.3	371.0
	Weighted Avg.	89.4	69.5	21.6	1.2	6.6	8.8	8.3	9.3	9.0	17.1	38.3	68.2	347.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Pali												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	53.6	100.5	134.0	46.9	0.0	0.0	335.0
2	**Barley***	83.8	78.0	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.7	69.4	289.0
3	**Cabbage***	87.9	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.3	85.3	251.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	53.1	82.6	103.3	56.1	0.0	0.0	295.1
6	**Corriander***	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.5	106.8	113.0	314.0
7	**Cotton**	0.0	0.0	0.0	0.0	84.9	124.5	101.9	107.5	84.9	62.3	0.0	0.0	566.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.7	138.7	116.8	43.8	0.0	0.0	365.0
9	**Cumin***	103.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6	98.3	273.0
10	**Gram***	43.9	55.7	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	31.3	187.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	78.6	102.2	145.4	66.8	0.0	0.0	393.0
12	**Isabgol***	112.3	35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.2	126.4	351.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	21.0	84.0	129.5	115.5	0.0	0.0	350.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	74.0	114.7	140.6	40.7	0.0	0.0	370.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	95.8	143.6	102.6	0.0	0.0	0.0	342.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	37.8	76.4	118.8	127.3	63.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	424.0
18	**Red Chillies**	29.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0	107.0	93.3	102.5	111.5	457.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	165.9	146.7	159.5	153.1	12.8	0.0	638.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	95.8	90.7	20.2	0.0	0.0	252.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	34.2	62.7	70.3	22.8	0.0	0.0	190.0
22	**Tomato***	84.5	154.9	190.1	211.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	704.1
23	**Wheat***	115.3	107.9	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	85.6	372.0
	Weighted Avg.	89.7	69.7	21.6	1.3	7.5	10.1	9.5	10.7	10.4	18.0	38.5	68.5	355.5

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Pratapgarh Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	8.2	15.3	20.4	7.1	0.0	0.0	51.0
2	**Barley***	80.6	75.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.4	66.7	278.0
3	**Cabbage***	86.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	84.0	247.1
4	**Citrus****	11.8	37.0	125.1	158.9	188.0	158.9	97.6	74.0	75.5	54.3	23.6	32.3	1037.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	10.6	16.5	20.7	11.2	0.0	0.0	59.0
6	**Corriander***	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.4	53.7	56.9	158.0
7	**Cotton**	0.0	0.0	0.0	0.0	25.2	37.0	30.2	31.9	25.2	18.5	0.0	0.0	168.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	50.9	107.5	90.6	34.0	0.0	0.0	283.0
9	**Cumin***	101.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	96.5	268.0
10	**Gram***	41.3	52.4	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	29.4	175.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	15.4	20.0	28.5	13.1	0.0	0.0	77.0
12	**Isabgol***	109.4	34.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.2	123.1	341.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	4.6	18.2	28.1	25.1	0.0	0.0	76.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	20.2	31.3	38.4	11.1	0.0	0.0	101.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	13.2	19.7	14.1	0.0	0.0	0.0	47.0
16	**Mustard***	62.3	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.3	69.7	39.8	249.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	25.7	28.2	30.7	126.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	115.4	102.1	111.0	106.6	8.9	0.0	444.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	46.0	43.6	9.7	0.0	0.0	121.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	10.4	19.1	21.5	7.0	0.0	0.0	58.0
22	**Tomato***	80.0	146.7	180.1	200.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	666.9
23	**Wheat***	113.2	105.9	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	84.0	365.2
	Weighted Avg.	96.1	88.5	31.2	0.8	0.4	0.2	0.2	0.1	0.2	4.0	30.4	71.7	323.8

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Pratapgarh												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	11.4	21.3	28.4	9.9	0.0	0.0	71.0
2	**Barley***	80.9	75.3	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.5	67.0	279.0
3	**Cabbage***	86.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	84.0	247.1
4	**Citrus****	12.3	38.5	130.2	165.4	195.7	165.4	101.5	77.0	78.6	56.5	24.6	33.6	1079.3
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	13.7	21.3	26.6	14.4	0.0	0.0	76.0
6	**Corriander***	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	54.1	57.2	159.0
7	**Cotton**	0.0	0.0	0.0	0.0	29.7	43.6	35.6	37.6	29.7	21.8	0.0	0.0	198.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	110.6	93.1	34.9	0.0	0.0	291.0
9	**Cumin***	101.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	96.5	268.0
10	**Gram***	41.6	52.7	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2	29.6	177.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	26.0	37.0	17.0	0.0	0.0	100.0
12	**Isabgol***	110.7	34.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.1	124.6	346.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	5.7	22.8	35.2	31.4	0.0	0.0	95.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	33.8	41.4	12.0	0.0	0.0	109.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	23.9	17.1	0.0	0.0	0.0	57.0
16	**Mustard***	62.8	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.7	70.3	40.2	251.1
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	9.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	35.7	31.2	34.2	37.3	153.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	122.2	108.1	117.5	112.8	9.4	0.0	470.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.0	57.0	54.0	12.0	0.0	0.0	150.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	12.1	22.1	24.8	8.0	0.0	0.0	67.0
22	**Tomato***	80.4	147.4	180.9	201.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.3	670.0
23	**Wheat***	113.5	106.1	36.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	84.2	366.0
	Weighted Avg.	96.5	88.7	31.3	0.8	0.5	0.3	0.2	0.2	0.2	4.1	30.5	72.0	325.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Pratapgarh												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.6	34.8	46.4	16.2	0.0	0.0	116.0
2	**Barley***	81.8	76.1	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.8	67.7	282.0
3	**Cabbage***	87.2	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.7	84.7	249.1
4	**Citrus****	13.1	41.1	139.1	176.7	209.1	176.7	108.5	82.2	84.0	60.4	26.2	35.9	1153.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	29.4	36.8	20.0	0.0	0.0	105.1
6	**Corriander***	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.4	57.6	160.0
7	**Cotton**	0.0	0.0	0.0	0.0	37.5	55.0	45.0	47.5	37.5	27.5	0.0	0.0	250.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	54.5	115.1	97.0	36.4	0.0	0.0	303.0
9	**Cumin***	102.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	96.8	268.9
10	**Gram***	42.0	53.3	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	29.9	178.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.2	36.7	52.2	24.0	0.0	0.0	141.1
12	**Isabgol***	111.0	34.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.3	124.9	346.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	8.4	33.6	51.8	46.2	0.0	0.0	140.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	32.0	49.6	60.8	17.6	0.0	0.0	160.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	29.7	44.5	31.8	0.0	0.0	0.0	106.0
16	**Mustard***	63.3	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.1	70.8	40.5	253.1
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.2	41.2	45.2	49.2	202.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	134.4	118.9	129.3	124.1	10.3	0.0	517.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	79.0	74.9	16.6	0.0	0.0	207.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	22.1	40.6	45.5	14.8	0.0	0.0	123.0
22	**Tomato***	81.1	148.7	182.5	202.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	675.9
23	**Wheat***	114.1	106.7	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.6	368.0
	Weighted Avg.	97.1	89.3	31.5	0.8	0.5	0.3	0.2	0.2	0.2	4.1	30.7	72.4	327.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Pratapgarh												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	42.6	56.8	19.9	0.0	0.0	142.0
2	**Barley***	82.1	76.4	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	67.9	283.0
3	**Cabbage***	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	85.0	250.0
4	**Citrus****	13.7	42.9	145.2	184.5	218.3	184.5	113.3	85.9	87.7	63.0	27.4	37.5	1203.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	35.0	43.8	23.8	0.0	0.0	125.1
6	**Corriander***	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	54.7	58.0	161.0
7	**Cotton**	0.0	0.0	0.0	0.0	42.9	62.9	51.5	54.3	42.9	31.5	0.0	0.0	286.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	102.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	96.8	268.9
10	**Gram***	42.3	53.6	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	30.1	180.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	43.9	62.5	28.7	0.0	0.0	168.9
12	**Isabgol***	111.4	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.6	125.3	348.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.9	39.6	61.1	54.5	0.0	0.0	165.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	58.0	71.1	20.6	0.0	0.0	187.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	36.7	55.0	39.3	0.0	0.0	0.0	131.0
16	**Mustard***	63.5	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.3	71.1	40.6	254.0
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	15.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	55.1	48.1	52.8	57.5	236.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	142.7	126.3	137.3	131.8	11.0	0.0	549.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	44.5	93.9	88.9	19.8	0.0	0.0	247.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	26.6	48.8	54.8	17.8	0.0	0.0	148.0
22	**Tomato***	81.6	149.6	183.6	204.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	680.0
23	**Wheat***	114.4	107.0	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.9	369.0
	Weighted Avg.	97.3	89.6	31.6	0.8	0.5	0.3	0.2	0.2	0.3	4.2	30.8	72.6	328.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Rajsamand												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.8	24.0	32.0	11.2	0.0	0.0	80.0
2	**Barley***	84.7	78.8	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	70.1	292.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	13.9	43.5	147.1	186.8	221.0	186.8	114.7	86.9	88.8	63.8	27.7	37.9	1218.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.8	37.0	46.2	25.1	0.0	0.0	132.1
6	**Corriander***	37.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.9	107.4	113.8	316.0
7	**Cotton**	0.0	0.0	0.0	0.0	41.4	60.7	49.7	52.4	41.4	30.4	0.0	0.0	276.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.2	125.0	105.3	39.5	0.0	0.0	329.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.0	59.6	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6	33.4	200.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	37.4	53.3	24.5	0.0	0.0	144.0
12	**Isabgol***	113.3	35.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.9	127.4	354.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.4	29.5	45.5	40.6	0.0	0.0	123.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	31.0	48.1	58.9	17.1	0.0	0.0	155.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	37.8	27.0	0.0	0.0	0.0	90.0
16	**Mustard***	65.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	72.8	41.6	260.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.0	41.0	45.0	48.9	201.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	128.2	113.4	123.3	118.3	9.9	0.0	493.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	47.5	45.0	10.0	0.0	0.0	125.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	36.6	41.1	13.3	0.0	0.0	111.0
22	**Tomato***	86.2	158.0	193.9	215.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.6	718.1
23	**Wheat***	116.9	109.3	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	86.7	377.0
	Weighted Avg.	72.6	66.0	22.3	1.1	12.9	18.5	15.4	16.3	13.3	13.2	22.6	54.4	328.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Rajsamand Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	17.4	32.7	43.6	15.3	0.0	0.0	109.0
2	**Barley***	85.0	79.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.2	70.3	293.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	14.4	45.2	153.0	194.3	229.9	194.3	119.3	90.4	92.4	66.4	28.9	39.4	1267.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	30.1	46.8	58.5	31.7	0.0	0.0	167.1
6	**Corriander***	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	107.8	114.1	317.0
7	**Cotton**	0.0	0.0	0.0	0.0	48.6	71.3	58.3	61.6	48.6	35.6	0.0	0.0	324.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.8	128.4	108.2	40.6	0.0	0.0	338.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.2	59.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	33.6	201.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	48.6	69.2	31.8	0.0	0.0	187.0
12	**Isabgol***	114.9	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0	129.2	359.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	37.0	57.0	50.8	0.0	0.0	154.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	33.4	51.8	63.5	18.4	0.0	0.0	167.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	30.8	46.2	33.0	0.0	0.0	0.0	110.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	15.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	57.2	49.9	54.8	59.7	245.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	135.7	120.1	130.5	125.3	10.4	0.0	522.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.1	59.3	56.2	12.5	0.0	0.0	156.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	23.2	42.6	47.7	15.5	0.0	0.0	129.0
22	**Tomato***	86.6	158.8	194.9	216.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	721.9
23	**Wheat***	117.2	109.6	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	86.9	378.0
	Weighted Avg.	72.9	66.2	22.4	1.1	15.1	21.7	18.0	19.1	15.6	14.8	22.8	54.6	344.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Rajsamand												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.0	72.0	25.2	0.0	0.0	180.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	90.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.8	87.4	257.1
4	**Citrus****	15.4	48.3	163.3	207.5	245.5	207.5	127.4	96.6	98.6	70.9	30.8	42.1	1353.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	41.8	65.0	81.2	44.1	0.0	0.0	232.1
6	**Corriander***	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	109.1	115.6	321.0
7	**Cotton**	0.0	0.0	0.0	0.0	61.4	90.0	73.6	77.7	61.4	45.0	0.0	0.0	409.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	133.8	112.6	42.2	0.0	0.0	352.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.7	60.5	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	33.9	203.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	68.1	96.9	44.5	0.0	0.0	261.9
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.2	83.6	74.6	0.0	0.0	226.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.4	76.6	93.9	27.2	0.0	0.0	247.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	85.7	61.2	0.0	0.0	0.0	204.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	20.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	75.7	66.0	72.5	78.9	324.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	149.2	132.0	143.5	137.8	11.5	0.0	574.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	82.1	77.8	17.3	0.0	0.0	216.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	87.4	160.2	196.6	218.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	728.1
23	**Wheat***	117.8	110.2	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	87.4	380.0
	Weighted Avg.	73.3	66.6	22.5	1.2	19.0	27.3	22.7	24.1	19.8	17.8	23.0	55.1	372.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Rajsamand Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	35.2	66.0	88.0	30.8	0.0	0.0	220.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	90.3	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	87.7	258.0
4	**Citrus****	16.1	50.4	170.6	216.7	256.4	216.7	133.0	100.8	103.0	74.0	32.2	44.0	1413.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	49.7	77.3	96.6	52.4	0.0	0.0	276.0
6	**Corriander***	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.0	109.5	115.9	322.0
7	**Cotton**	0.0	0.0	0.0	0.0	70.4	103.2	84.4	89.1	70.4	51.6	0.0	0.0	469.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.5	138.3	116.5	43.7	0.0	0.0	364.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.9	60.8	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	34.1	204.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	63.0	81.9	116.6	53.6	0.0	0.0	315.1
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	64.1	98.8	88.1	0.0	0.0	267.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	57.6	89.3	109.4	31.7	0.0	0.0	288.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.1	106.7	76.2	0.0	0.0	0.0	254.0
16	**Mustard***	66.3	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	74.2	42.4	265.1
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	23.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0	88.1	76.8	84.4	91.8	377.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	158.6	140.3	152.5	146.4	12.2	0.0	610.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	46.3	97.7	92.5	20.6	0.0	0.0	257.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	51.5	94.4	105.8	34.3	0.0	0.0	286.0
22	**Tomato***	88.0	161.3	197.9	219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	733.1
23	**Wheat***	118.1	110.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	87.6	381.0
	Weighted Avg.	73.5	66.8	22.6	1.2	21.7	31.3	26.0	27.6	22.7	19.9	23.1	55.3	391.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sawai Madhopur												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.8	24.0	32.0	11.2	0.0	0.0	80.0
2	**Barley***	84.7	78.8	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	70.1	292.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	13.9	43.5	147.1	186.8	221.0	186.8	114.7	86.9	88.8	63.8	27.7	37.9	1218.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.8	37.0	46.2	25.1	0.0	0.0	132.1
6	**Corriander***	37.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.9	107.4	113.8	316.0
7	**Cotton**	0.0	0.0	0.0	0.0	41.4	60.7	49.7	52.4	41.4	30.4	0.0	0.0	276.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.2	125.0	105.3	39.5	0.0	0.0	329.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.0	59.6	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6	33.4	200.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	37.4	53.3	24.5	0.0	0.0	144.0
12	**Isabgol***	113.3	35.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.9	127.4	354.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.4	29.5	45.5	40.6	0.0	0.0	123.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	31.0	48.1	58.9	17.1	0.0	0.0	155.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	37.8	27.0	0.0	0.0	0.0	90.0
16	**Mustard***	65.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	72.8	41.6	260.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.0	41.0	45.0	48.9	201.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	128.2	113.4	123.3	118.3	9.9	0.0	493.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	47.5	45.0	10.0	0.0	0.0	125.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	36.6	41.1	13.3	0.0	0.0	111.0
22	**Tomato***	86.2	158.0	193.9	215.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.6	718.1
23	**Wheat***	116.9	109.3	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	86.7	377.0
	Weighted Avg.	81.0	57.6	13.6	0.4	0.1	0.1	0.2	0.2	1.1	31.5	55.5	56.7	298.0

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sawai Madhopur Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	17.4	32.7	43.6	15.3	0.0	0.0	109.0
2	**Barley***	85.0	79.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.2	70.3	293.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	14.4	45.2	153.0	194.3	229.9	194.3	119.3	90.4	92.4	66.4	28.9	39.4	1267.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	30.1	46.8	58.5	31.7	0.0	0.0	167.1
6	**Corriander***	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	107.8	114.1	317.0
7	**Cotton**	0.0	0.0	0.0	0.0	48.6	71.3	58.3	61.6	48.6	35.6	0.0	0.0	324.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.8	128.4	108.2	40.6	0.0	0.0	338.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.2	59.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	33.6	201.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	48.6	69.2	31.8	0.0	0.0	187.0
12	**Isabgol***	114.9	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0	129.2	359.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	37.0	57.0	50.8	0.0	0.0	154.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	33.4	51.8	63.5	18.4	0.0	0.0	167.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	30.8	46.2	33.0	0.0	0.0	0.0	110.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	15.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	57.2	49.9	54.8	59.7	245.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	135.7	120.1	130.5	125.3	10.4	0.0	522.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.1	59.3	56.2	12.5	0.0	0.0	156.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	23.2	42.6	47.7	15.5	0.0	0.0	129.0
22	**Tomato***	86.6	158.8	194.9	216.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	721.9
23	**Wheat***	117.2	109.6	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	86.9	378.0
	Weighted Avg.	81.5	57.9	13.6	0.4	0.1	0.1	0.2	0.3	1.3	31.9	56.1	57.1	300.5

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sawai Madhopur Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.0	72.0	25.2	0.0	0.0	180.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	90.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.8	87.4	257.1
4	**Citrus****	15.4	48.3	163.3	207.5	245.5	207.5	127.4	96.6	98.6	70.9	30.8	42.1	1353.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	41.8	65.0	81.2	44.1	0.0	0.0	232.1
6	**Corriander***	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	109.1	115.6	321.0
7	**Cotton**	0.0	0.0	0.0	0.0	61.4	90.0	73.6	77.7	61.4	45.0	0.0	0.0	409.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	133.8	112.6	42.2	0.0	0.0	352.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.7	60.5	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	33.9	203.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	68.1	96.9	44.5	0.0	0.0	261.9
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.2	83.6	74.6	0.0	0.0	226.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.4	76.6	93.9	27.2	0.0	0.0	247.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	85.7	61.2	0.0	0.0	0.0	204.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	20.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	75.7	66.0	72.5	78.9	324.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	149.2	132.0	143.5	137.8	11.5	0.0	574.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	82.1	77.8	17.3	0.0	0.0	216.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	87.4	160.2	196.6	218.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	728.1
23	**Wheat***	117.8	110.2	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	87.4	380.0
	Weighted Avg.	82.1	58.3	13.7	0.4	0.2	0.1	0.3	0.4	1.7	32.5	56.7	57.8	304.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sawai Madhopur Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	35.2	66.0	88.0	30.8	0.0	0.0	220.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	90.3	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	87.7	258.0
4	**Citrus****	16.1	50.4	170.6	216.7	256.4	216.7	133.0	100.8	103.0	74.0	32.2	44.0	1413.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	49.7	77.3	96.6	52.4	0.0	0.0	276.0
6	**Corriander***	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.0	109.5	115.9	322.0
7	**Cotton**	0.0	0.0	0.0	0.0	70.4	103.2	84.4	89.1	70.4	51.6	0.0	0.0	469.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.5	138.3	116.5	43.7	0.0	0.0	364.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.9	60.8	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	34.1	204.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	63.0	81.9	116.6	53.6	0.0	0.0	315.1
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	64.1	98.8	88.1	0.0	0.0	267.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	57.6	89.3	109.4	31.7	0.0	0.0	288.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.1	106.7	76.2	0.0	0.0	0.0	254.0
16	**Mustard***	66.3	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	74.2	42.4	265.1
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	23.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0	88.1	76.8	84.4	91.8	377.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	158.6	140.3	152.5	146.4	12.2	0.0	610.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	46.3	97.7	92.5	20.6	0.0	0.0	257.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	51.5	94.4	105.8	34.3	0.0	0.0	286.0
22	**Tomato***	88.0	161.3	197.9	219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	733.1
23	**Wheat***	118.1	110.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	87.6	381.0
	Weighted Avg.	82.4	58.5	13.7	0.4	0.2	0.1	0.4	0.5	2.0	32.8	57.1	58.2	306.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sikar Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	35.4	47.2	16.5	0.0	0.0	118.0
2	**Barley***	66.1	61.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	54.7	228.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.7	40.0	50.1	27.2	0.0	0.0	143.0
6	**Corriander***	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4	91.5	96.8	269.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.1	85.1	69.7	73.5	58.1	42.6	0.0	0.0	387.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.3	48.6	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	27.2	163.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	40.0	52.0	74.0	34.0	0.0	0.0	200.0
12	**Isabgol***	90.9	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	102.2	284.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	10.5	42.0	64.8	57.8	0.0	0.0	175.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	39.2	58.8	42.0	0.0	0.0	0.0	140.0
16	**Mustard***	52.8	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	59.1	33.8	211.1
17	**Onion***	33.9	68.5	106.5	114.1	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.1
18	**Red Chillies**	17.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	63.1	55.0	60.4	65.7	269.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	153.1	135.5	147.3	141.4	11.8	0.0	589.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	16.6	35.0	33.1	7.4	0.0	0.0	92.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	17.5	32.0	35.9	11.6	0.0	0.0	97.0
22	**Tomato***	76.6	140.4	172.3	191.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	638.1
23	**Wheat***	95.2	89.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	70.6	307.0
	Weighted Avg.	54.3	47.6	16.0	1.1	0.5	0.1	6.5	10.4	13.7	13.7	24.8	39.5	228.2

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sikar												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	25.9	48.6	64.8	22.7	0.0	0.0	162.0
2	**Barley***	66.4	61.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	55.0	229.0
3	**Cabbage***	73.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	71.1	209.1
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.8	51.0	63.7	34.6	0.0	0.0	182.1
6	**Corriander***	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	91.8	97.2	270.0
7	**Cotton**	0.0	0.0	0.0	0.0	68.3	100.1	81.9	86.5	68.3	50.1	0.0	0.0	455.2
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	58.0	122.4	103.0	38.6	0.0	0.0	322.0
9	**Cumin***	83.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	78.8	218.9
10	**Gram***	38.5	48.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	27.4	164.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.0	67.6	96.2	44.2	0.0	0.0	260.0
12	**Isabgol***	92.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	103.7	288.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.1	52.6	81.0	72.3	0.0	0.0	219.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	46.2	71.6	87.8	25.4	0.0	0.0	231.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	47.9	71.8	51.3	0.0	0.0	0.0	171.0
16	**Mustard***	53.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	59.6	34.1	213.1
17	**Onion***	34.0	68.6	106.8	114.4	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.0
18	**Red Chillies**	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	76.6	66.8	73.4	79.9	327.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	162.2	143.5	156.0	149.8	12.5	0.0	624.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	20.7	43.7	41.4	9.2	0.0	0.0	115.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.3	37.3	41.8	13.6	0.0	0.0	113.0
22	**Tomato***	77.0	141.2	173.3	192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	641.9
23	**Wheat***	95.5	89.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	70.8	308.0
	Weighted Avg.	54.5	47.9	16.1	1.1	0.5	0.1	8.5	13.6	18.1	15.5	25.0	39.7	240.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sikar Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	80.1	106.8	37.4	0.0	0.0	267.0
2	**Barley***	67.0	62.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	55.4	231.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.6	88.2	47.9	0.0	0.0	252.1
6	**Corriander***	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	92.5	97.9	272.0
7	**Cotton**	0.0	0.0	0.0	0.0	86.1	126.3	103.3	109.1	86.1	63.1	0.0	0.0	574.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.5	127.7	107.5	40.3	0.0	0.0	336.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	38.8	49.2	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	27.6	165.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	73.0	94.9	135.1	62.1	0.0	0.0	365.1
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	19.3	77.0	118.8	105.9	0.0	0.0	321.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	68.2	105.7	129.6	37.5	0.0	0.0	341.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	88.8	133.1	95.1	0.0	0.0	0.0	317.0
16	**Mustard***	53.8	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	60.2	34.4	215.1
17	**Onion***	34.1	68.8	107.0	114.7	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.0
18	**Red Chillies**	27.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	101.4	88.5	97.1	105.7	434.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	178.4	157.8	171.5	164.6	13.7	0.0	686.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	60.0	56.9	12.6	0.0	0.0	157.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	37.3	68.3	76.6	24.8	0.0	0.0	207.0
22	**Tomato***	77.6	142.3	174.7	194.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.2	646.9
23	**Wheat***	95.8	89.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	71.1	309.0
	Weighted Avg.	54.8	48.1	16.2	1.1	0.5	0.1	12.7	20.3	27.2	19.1	25.2	40.0	265.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sikar												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	52.2	97.8	130.4	45.6	0.0	0.0	326.0
2	**Barley***	67.3	62.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	55.7	232.0
3	**Cabbage***	73.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	71.7	211.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	54.0	84.0	105.0	57.0	0.0	0.0	300.0
6	**Corriander***	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	92.8	98.3	273.0
7	**Cotton**	0.0	0.0	0.0	0.0	98.9	145.0	118.6	125.2	98.9	72.5	0.0	0.0	659.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	62.5	131.9	111.0	41.6	0.0	0.0	347.0
9	**Cumin***	83.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	79.2	220.0
10	**Gram***	39.0	49.5	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	27.8	166.1
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	87.8	114.1	162.4	74.6	0.0	0.0	438.9
12	**Isabgol***	92.5	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	104.0	289.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	91.0	140.2	125.1	0.0	0.0	379.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	79.6	123.4	151.2	43.8	0.0	0.0	398.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	110.3	165.5	118.2	0.0	0.0	0.0	394.0
16	**Mustard***	54.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	60.5	34.6	216.0
17	**Onion***	34.2	69.0	107.3	115.0	57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.0
18	**Red Chillies**	32.1	16.0	0.0	0.0	0.0	0.0	0.0	0.0	118.0	102.9	113.0	123.0	505.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	189.5	167.7	182.3	175.0	14.6	0.0	729.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	71.4	67.7	15.0	0.0	0.0	187.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	44.8	82.2	92.1	29.9	0.0	0.0	249.0
22	**Tomato***	78.1	143.2	175.8	195.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	651.0
23	**Wheat***	96.1	89.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	71.3	310.0
	Weighted Avg.	55.0	48.3	16.2	1.1	0.5	0.1	15.3	24.4	32.8	21.4	25.3	40.1	280.5

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sirohi Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	19.5	36.6	48.8	17.1	0.0	0.0	122.0
2	**Barley***	82.4	76.7	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.1	68.2	284.1
3	**Cabbage***	86.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	84.3	248.0
4	**Citrus****	14.2	44.4	150.1	190.7	225.6	190.7	117.0	88.7	90.6	65.1	28.3	38.7	1244.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	39.2	49.0	26.6	0.0	0.0	140.0
6	**Corriander***	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.6	105.1	111.2	309.0
7	**Cotton**	0.0	0.0	0.0	0.0	49.8	73.0	59.8	63.1	49.8	36.5	0.0	0.0	332.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.4	125.4	105.6	39.6	0.0	0.0	330.0
9	**Cumin***	103.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	97.9	272.0
10	**Gram***	43.0	54.5	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.1	30.6	183.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	35.8	46.5	66.2	30.4	0.0	0.0	178.9
12	**Isabgol***	110.4	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.9	124.2	345.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.7	38.6	59.6	53.1	0.0	0.0	161.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	39.8	61.7	75.6	21.9	0.0	0.0	199.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	34.2	51.2	36.6	0.0	0.0	0.0	122.0
16	**Mustard***	64.8	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.2	72.5	41.4	259.0
17	**Onion***	37.6	75.8	118.0	126.4	63.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	421.0
18	**Red Chillies**	15.5	7.7	0.0	0.0	0.0	0.0	0.0	0.0	57.0	49.7	54.6	59.4	243.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	133.9	118.5	128.8	123.6	10.3	0.0	515.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.1	46.7	44.3	9.8	0.0	0.0	122.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	13.3	24.4	27.4	8.9	0.0	0.0	74.0
22	**Tomato***	82.8	151.8	186.3	207.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.1	690.0
23	**Wheat***	114.1	106.7	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.6	368.0
	Weighted Avg.	86.4	71.8	26.9	7.7	3.3	4.2	5.7	6.6	7.5	15.3	34.7	64.6	334.7

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sirohi Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	26.7	50.1	66.8	23.4	0.0	0.0	167.0
2	**Barley***	82.7	77.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2	68.4	285.1
3	**Cabbage***	86.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	84.3	248.0
4	**Citrus****	14.7	46.1	156.1	198.3	234.6	198.3	121.7	92.3	94.3	67.7	29.5	40.3	1293.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	32.2	50.1	62.7	34.0	0.0	0.0	179.0
6	**Corriander***	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.8	105.4	111.6	310.0
7	**Cotton**	0.0	0.0	0.0	0.0	58.7	86.0	70.4	74.3	58.7	43.0	0.0	0.0	391.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	61.0	128.8	108.5	40.7	0.0	0.0	339.0
9	**Cumin***	103.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	97.9	272.0
10	**Gram***	43.2	54.8	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2	30.8	184.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	46.6	60.6	86.2	39.6	0.0	0.0	233.0
12	**Isabgol***	111.7	34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.8	125.6	349.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	12.1	48.5	74.7	66.7	0.0	0.0	202.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	43.0	66.7	81.7	23.7	0.0	0.0	215.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	41.4	62.2	44.4	0.0	0.0	0.0	148.0
16	**Mustard***	65.3	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.6	73.1	41.8	261.1
17	**Onion***	37.6	76.0	118.3	126.7	63.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422.0
18	**Red Chillies**	18.9	9.4	0.0	0.0	0.0	0.0	0.0	0.0	69.4	60.5	66.5	72.3	297.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	141.7	125.4	136.3	130.8	10.9	0.0	545.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.5	58.1	55.1	12.2	0.0	0.0	152.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	15.5	28.4	31.8	10.3	0.0	0.0	86.0
22	**Tomato***	83.3	152.7	187.4	208.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	694.1
23	**Wheat***	114.4	107.0	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.9	369.0
	Weighted Avg.	86.8	72	27.1	7.8	3.8	4.9	6.8	8	9.1	16.2	34.9	64.9	342.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sirohi												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	43.8	82.2	109.6	38.4	0.0	0.0	274.0
2	**Barley***	83.5	77.8	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.6	69.1	288.0
3	**Cabbage***	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	85.0	250.0
4	**Citrus****	15.7	49.3	166.7	211.8	250.6	211.8	130.0	98.6	100.7	72.4	31.5	43.0	1382.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	44.6	69.4	86.8	47.1	0.0	0.0	247.9
6	**Corriander***	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	106.4	112.7	313.0
7	**Cotton**	0.0	0.0	0.0	0.0	74.0	108.5	88.7	93.7	74.0	54.2	0.0	0.0	493.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.5	134.1	113.0	42.4	0.0	0.0	353.0
9	**Cumin***	103.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6	98.3	273.0
10	**Gram***	43.7	55.4	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	31.1	186.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	65.4	85.0	121.0	55.6	0.0	0.0	327.0
12	**Isabgol***	112.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	126.0	350.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	17.8	71.0	109.5	97.7	0.0	0.0	296.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	63.2	98.0	120.1	34.8	0.0	0.0	316.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	77.0	115.5	82.5	0.0	0.0	0.0	275.0
16	**Mustard***	65.8	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	73.6	42.1	263.1
17	**Onion***	37.7	76.2	118.5	127.0	63.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422.9
18	**Red Chillies**	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	91.8	80.1	88.0	95.7	393.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	156.0	138.0	150.0	144.0	12.0	0.0	600.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.2	80.6	76.3	17.0	0.0	0.0	212.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	28.4	52.1	58.5	19.0	0.0	0.0	158.0
22	**Tomato***	84.0	154.0	189.0	210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.0	700.0
23	**Wheat***	115.0	107.6	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	85.3	371.0
	Weighted Avg.	87.3	72.5	27.3	7.9	4.6	6.1	9	10.7	12.3	18	35.3	65.4	356.4

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Sirohi												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	53.6	100.5	134.0	46.9	0.0	0.0	335.0
2	**Barley***	83.8	78.0	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.7	69.4	289.0
3	**Cabbage***	87.9	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.3	85.3	251.1
4	**Citrus****	16.4	51.5	174.1	221.2	261.7	221.2	135.8	102.9	105.1	75.5	32.8	44.9	1443.1
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	53.1	82.6	103.3	56.1	0.0	0.0	295.1
6	**Corriander***	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.5	106.8	113.0	314.0
7	**Cotton**	0.0	0.0	0.0	0.0	84.9	124.5	101.9	107.5	84.9	62.3	0.0	0.0	566.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.7	138.7	116.8	43.8	0.0	0.0	365.0
9	**Cumin***	103.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6	98.3	273.0
10	**Gram***	43.9	55.7	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	31.3	187.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	78.6	102.2	145.4	66.8	0.0	0.0	393.0
12	**Isabgol***	112.3	35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.2	126.4	351.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	21.0	84.0	129.5	115.5	0.0	0.0	350.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	74.0	114.7	140.6	40.7	0.0	0.0	370.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	95.8	143.6	102.6	0.0	0.0	0.0	342.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	37.8	76.4	118.8	127.3	63.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	424.0
18	**Red Chillies**	29.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0	107.0	93.3	102.5	111.5	457.9
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	165.9	146.7	159.5	153.1	12.8	0.0	638.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	45.4	95.8	90.7	20.2	0.0	0.0	252.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	34.2	62.7	70.3	22.8	0.0	0.0	190.0
22	**Tomato***	84.5	154.9	190.1	211.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.4	704.1
23	**Wheat***	115.3	107.9	37.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	85.6	372.0
	Weighted Avg.	87.5	72.7	27.4	8	5.2	6.9	10.5	12.5	14.5	19.2	35.5	65.7	365.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Tonk												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	12.8	24.0	32.0	11.2	0.0	0.0	80.0
2	**Barley***	84.7	78.8	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	70.1	292.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	13.9	43.5	147.1	186.8	221.0	186.8	114.7	86.9	88.8	63.8	27.7	37.9	1218.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	23.8	37.0	46.2	25.1	0.0	0.0	132.1
6	**Corriander***	37.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.9	107.4	113.8	316.0
7	**Cotton**	0.0	0.0	0.0	0.0	41.4	60.7	49.7	52.4	41.4	30.4	0.0	0.0	276.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	59.2	125.0	105.3	39.5	0.0	0.0	329.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.0	59.6	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6	33.4	200.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	37.4	53.3	24.5	0.0	0.0	144.0
12	**Isabgol***	113.3	35.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.9	127.4	354.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	7.4	29.5	45.5	40.6	0.0	0.0	123.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	31.0	48.1	58.9	17.1	0.0	0.0	155.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	25.2	37.8	27.0	0.0	0.0	0.0	90.0
16	**Mustard***	65.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	72.8	41.6	260.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.0	41.0	45.0	48.9	201.1
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	128.2	113.4	123.3	118.3	9.9	0.0	493.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	47.5	45.0	10.0	0.0	0.0	125.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	36.6	41.1	13.3	0.0	0.0	111.0
22	**Tomato***	86.2	158.0	193.9	215.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.6	718.1
23	**Wheat***	116.9	109.3	37.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	86.7	377.0
	Weighted Avg.	81.1	57.3	13.4	0.6	0.2	0.3	0.5	0.6	1.0	30.7	55.0	56.9	297.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Tonk												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	17.4	32.7	43.6	15.3	0.0	0.0	109.0
2	**Barley***	85.0	79.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.2	70.3	293.0
3	**Cabbage***	89.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	86.7	255.1
4	**Citrus****	14.4	45.2	153.0	194.3	229.9	194.3	119.3	90.4	92.4	66.4	28.9	39.4	1267.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	30.1	46.8	58.5	31.7	0.0	0.0	167.1
6	**Corriander***	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	107.8	114.1	317.0
7	**Cotton**	0.0	0.0	0.0	0.0	48.6	71.3	58.3	61.6	48.6	35.6	0.0	0.0	324.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	60.8	128.4	108.2	40.6	0.0	0.0	338.0
9	**Cumin***	104.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	99.4	276.1
10	**Gram***	47.2	59.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	33.6	201.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	48.6	69.2	31.8	0.0	0.0	187.0
12	**Isabgol***	114.9	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0	129.2	359.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.2	37.0	57.0	50.8	0.0	0.0	154.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	33.4	51.8	63.5	18.4	0.0	0.0	167.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	30.8	46.2	33.0	0.0	0.0	0.0	110.0
16	**Mustard***	65.5	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	73.4	41.9	262.0
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	15.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	57.2	49.9	54.8	59.7	245.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	135.7	120.1	130.5	125.3	10.4	0.0	522.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	28.1	59.3	56.2	12.5	0.0	0.0	156.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	23.2	42.6	47.7	15.5	0.0	0.0	129.0
22	**Tomato***	86.6	158.8	194.9	216.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	721.9
23	**Wheat***	117.2	109.6	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	86.9	378.0
	Weighted Avg.	81.5	57.5	13.5	0.6	0.2	0.3	0.5	0.7	1.2	31.0	55.4	57.2	299.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Tonk Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.0	72.0	25.2	0.0	0.0	180.0
2	**Barley***	85.8	79.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	71.0	295.9
3	**Cabbage***	90.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.8	87.4	257.1
4	**Citrus****	15.4	48.3	163.3	207.5	245.5	207.5	127.4	96.6	98.6	70.9	30.8	42.1	1353.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	41.8	65.0	81.2	44.1	0.0	0.0	232.1
6	**Corriander***	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.8	109.1	115.6	321.0
7	**Cotton**	0.0	0.0	0.0	0.0	61.4	90.0	73.6	77.7	61.4	45.0	0.0	0.0	409.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	63.4	133.8	112.6	42.2	0.0	0.0	352.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.7	60.5	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	33.9	203.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	68.1	96.9	44.5	0.0	0.0	261.9
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	13.6	54.2	83.6	74.6	0.0	0.0	226.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	49.4	76.6	93.9	27.2	0.0	0.0	247.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	57.1	85.7	61.2	0.0	0.0	0.0	204.0
16	**Mustard***	66.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	73.9	42.2	264.0
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	20.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	75.7	66.0	72.5	78.9	324.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	149.2	132.0	143.5	137.8	11.5	0.0	574.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	38.9	82.1	77.8	17.3	0.0	0.0	216.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	42.7	78.2	87.7	28.4	0.0	0.0	237.0
22	**Tomato***	87.4	160.2	196.6	218.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	728.1
23	**Wheat***	117.8	110.2	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	87.4	380.0
	Weighted Avg.	82.1	58.0	13.6	0.6	0.3	0.4	0.7	1.0	1.7	31.5	55.9	57.7	303.5

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Tonk												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	35.2	66.0	88.0	30.8	0.0	0.0	220.0
2	**Barley***	86.1	80.2	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	71.3	297.0
3	**Cabbage***	90.3	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	87.7	258.0
4	**Citrus****	16.1	50.4	170.6	216.7	256.4	216.7	133.0	100.8	103.0	74.0	32.2	44.0	1413.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	49.7	77.3	96.6	52.4	0.0	0.0	276.0
6	**Corriander***	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.0	109.5	115.9	322.0
7	**Cotton**	0.0	0.0	0.0	0.0	70.4	103.2	84.4	89.1	70.4	51.6	0.0	0.0	469.1
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	65.5	138.3	116.5	43.7	0.0	0.0	364.0
9	**Cumin***	105.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.4	99.7	277.0
10	**Gram***	47.9	60.8	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	34.1	204.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	63.0	81.9	116.6	53.6	0.0	0.0	315.1
12	**Isabgol***	115.2	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	129.6	360.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	64.1	98.8	88.1	0.0	0.0	267.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	57.6	89.3	109.4	31.7	0.0	0.0	288.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	71.1	106.7	76.2	0.0	0.0	0.0	254.0
16	**Mustard***	66.3	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	74.2	42.4	265.1
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	23.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0	88.1	76.8	84.4	91.8	377.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	158.6	140.3	152.5	146.4	12.2	0.0	610.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	46.3	97.7	92.5	20.6	0.0	0.0	257.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	51.5	94.4	105.8	34.3	0.0	0.0	286.0
22	**Tomato***	88.0	161.3	197.9	219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	733.1
23	**Wheat***	118.1	110.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	87.6	381.0
	Weighted Avg.	82.4	58.1	13.6	0.6	0.3	0.4	0.9	1.2	2.0	31.8	56.2	58.0	305.5

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Udaipur												
		Dependability Level: 25%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	8.2	15.3	20.4	7.1	0.0	0.0	51.0
2	**Barley***	80.6	75.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.4	66.7	278.0
3	**Cabbage***	86.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	84.0	247.1
4	**Citrus****	11.8	37.0	125.1	158.9	188.0	158.9	97.6	74.0	75.5	54.3	23.6	32.3	1037.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	10.6	16.5	20.7	11.2	0.0	0.0	59.0
6	**Corriander***	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.4	53.7	56.9	158.0
7	**Cotton**	0.0	0.0	0.0	0.0	25.2	37.0	30.2	31.9	25.2	18.5	0.0	0.0	168.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	50.9	107.5	90.6	34.0	0.0	0.0	283.0
9	**Cumin***	101.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	96.5	268.0
10	**Gram***	41.3	52.4	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	29.4	175.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	15.4	20.0	28.5	13.1	0.0	0.0	77.0
12	**Isabgol***	109.4	34.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.2	123.1	341.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	4.6	18.2	28.1	25.1	0.0	0.0	76.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	20.2	31.3	38.4	11.1	0.0	0.0	101.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	13.2	19.7	14.1	0.0	0.0	0.0	47.0
16	**Mustard***	62.3	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.3	69.7	39.8	249.0
17	**Onion***	39.3	79.3	123.3	132.1	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	440.1
18	**Red Chillies**	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	25.7	28.2	30.7	126.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	115.4	102.1	111.0	106.6	8.9	0.0	444.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	46.0	43.6	9.7	0.0	0.0	121.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	10.4	19.1	21.5	7.0	0.0	0.0	58.0
22	**Tomato***	80.0	146.7	180.1	200.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	666.9
23	**Wheat***	113.2	105.9	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	84.0	365.2
	Weighted Avg.	99.6	88.9	29.3	0.7	0.6	0.7	0.5	0.5	0.4	7.6	32.9	73.6	335.3

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Udaipur												
		Dependability Level: 50%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	11.4	21.3	28.4	9.9	0.0	0.0	71.0
2	**Barley***	80.9	75.3	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.5	67.0	279.0
3	**Cabbage***	86.5	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.2	84.0	247.1
4	**Citrus****	12.3	38.5	130.2	165.4	195.7	165.4	101.5	77.0	78.6	56.5	24.6	33.6	1079.3
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	13.7	21.3	26.6	14.4	0.0	0.0	76.0
6	**Corriander***	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	54.1	57.2	159.0
7	**Cotton**	0.0	0.0	0.0	0.0	29.7	43.6	35.6	37.6	29.7	21.8	0.0	0.0	198.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	52.4	110.6	93.1	34.9	0.0	0.0	291.0
9	**Cumin***	101.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	96.5	268.0
10	**Gram***	41.6	52.7	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2	29.6	177.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	20.0	26.0	37.0	17.0	0.0	0.0	100.0
12	**Isabgol***	110.7	34.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.1	124.6	346.0
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	5.7	22.8	35.2	31.4	0.0	0.0	95.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	21.8	33.8	41.4	12.0	0.0	0.0	109.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	16.0	23.9	17.1	0.0	0.0	0.0	57.0
16	**Mustard***	62.8	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.7	70.3	40.2	251.1
17	**Onion***	39.3	79.5	123.6	132.4	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
18	**Red Chillies**	9.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	35.7	31.2	34.2	37.3	153.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	122.2	108.1	117.5	112.8	9.4	0.0	470.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	27.0	57.0	54.0	12.0	0.0	0.0	150.0
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	12.1	22.1	24.8	8.0	0.0	0.0	67.0
22	**Tomato***	80.4	147.4	180.9	201.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.3	670.0
23	**Wheat***	113.5	106.1	36.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	84.2	366.0
	Weighted Avg.	99.9	89.1	29.4	0.7	0.7	0.7	0.6	0.5	0.5	7.7	33.0	73.8	336.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Udaipur												
		Dependability Level: 75%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	18.6	34.8	46.4	16.2	0.0	0.0	116.0
2	**Barley***	81.8	76.1	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.8	67.7	282.0
3	**Cabbage***	87.2	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.7	84.7	249.1
4	**Citrus****	13.1	41.1	139.1	176.7	209.1	176.7	108.5	82.2	84.0	60.4	26.2	35.9	1153.0
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	18.9	29.4	36.8	20.0	0.0	0.0	105.1
6	**Corriander***	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8	54.4	57.6	160.0
7	**Cotton**	0.0	0.0	0.0	0.0	37.5	55.0	45.0	47.5	37.5	27.5	0.0	0.0	250.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	54.5	115.1	97.0	36.4	0.0	0.0	303.0
9	**Cumin***	102.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	96.8	268.9
10	**Gram***	42.0	53.3	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	29.9	178.9
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	28.2	36.7	52.2	24.0	0.0	0.0	141.1
12	**Isabgol***	111.0	34.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.3	124.9	346.9
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	8.4	33.6	51.8	46.2	0.0	0.0	140.0
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	32.0	49.6	60.8	17.6	0.0	0.0	160.0
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	29.7	44.5	31.8	0.0	0.0	0.0	106.0
16	**Mustard***	63.3	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.1	70.8	40.5	253.1
17	**Onion***	39.4	79.6	123.9	132.7	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.0
18	**Red Chillies**	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	47.2	41.2	45.2	49.2	202.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	134.4	118.9	129.3	124.1	10.3	0.0	517.0
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	79.0	74.9	16.6	0.0	0.0	207.9
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	22.1	40.6	45.5	14.8	0.0	0.0	123.0
22	**Tomato***	81.1	148.7	182.5	202.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	675.9
23	**Wheat***	114.1	106.7	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.6	368.0
	Weighted Avg.	100.5	89.6	29.6	0.8	0.8	0.9	0.7	0.7	0.6	7.9	33.3	74.2	339.6

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

S. No.	Crop	District: Udaipur												
		Dependability Level: 90%												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	**Bajra**	0.0	0.0	0.0	0.0	0.0	0.0	22.7	42.6	56.8	19.9	0.0	0.0	142.0
2	**Barley***	82.1	76.4	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	67.9	283.0
3	**Cabbage***	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	85.0	250.0
4	**Citrus****	13.7	42.9	145.2	184.5	218.3	184.5	113.3	85.9	87.7	63.0	27.4	37.5	1203.9
5	**Cluster Bean**	0.0	0.0	0.0	0.0	0.0	0.0	22.5	35.0	43.8	23.8	0.0	0.0	125.1
6	**Corriander***	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	54.7	58.0	161.0
7	**Cotton**	0.0	0.0	0.0	0.0	42.9	62.9	51.5	54.3	42.9	31.5	0.0	0.0	286.0
8	**Cowpea**	0.0	0.0	0.0	0.0	0.0	0.0	56.3	118.9	100.2	37.6	0.0	0.0	313.0
9	**Cumin***	102.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	96.8	268.9
10	**Gram***	42.3	53.6	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	30.1	180.0
11	**Groundnut**	0.0	0.0	0.0	0.0	0.0	0.0	33.8	43.9	62.5	28.7	0.0	0.0	168.9
12	**Isabgol***	111.4	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.6	125.3	348.1
13	**Jowar**	0.0	0.0	0.0	0.0	0.0	0.0	9.9	39.6	61.1	54.5	0.0	0.0	165.1
14	**Maize**	0.0	0.0	0.0	0.0	0.0	0.0	37.4	58.0	71.1	20.6	0.0	0.0	187.1
15	**Moong**	0.0	0.0	0.0	0.0	0.0	0.0	36.7	55.0	39.3	0.0	0.0	0.0	131.0
16	**Mustard***	63.5	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.3	71.1	40.6	254.0
17	**Onion***	39.5	79.8	124.1	133.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	442.9
18	**Red Chillies**	15.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	55.1	48.1	52.8	57.5	236.0
19	**Rice**	0.0	0.0	0.0	0.0	0.0	0.0	142.7	126.3	137.3	131.8	11.0	0.0	549.1
20	**Sesamum**	0.0	0.0	0.0	0.0	0.0	0.0	44.5	93.9	88.9	19.8	0.0	0.0	247.1
21	**Soybean**	0.0	0.0	0.0	0.0	0.0	0.0	26.6	48.8	54.8	17.8	0.0	0.0	148.0
22	**Tomato***	81.6	149.6	183.6	204.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	680.0
23	**Wheat***	114.4	107.0	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	84.9	369.0
	Weighted Avg.	100.8	89.9	29.7	0.8	0.8	1.0	0.8	0.7	0.6	7.9	33.4	74.5	340.9

Without * - Kharif Crops; * - Rabi Crops; ** - All Season Crops

Table B-6.2 District-wise weighted net crop water requirement (in mm)

Ajmer **(in mm)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	70.1	60.5	24.9	8.9	11.0	13.8	13.3	14.7	14.7	14.3	26.6	54.7	327.5
50%	70.4	60.8	25.0	9.0	12.7	16.2	15.6	17.3	17.3	16.1	27.0	55.2	342.6
75%	71.0	61.3	25.2	9.1	15.5	20.4	20.1	22.4	22.8	19.5	27.7	56.2	371.2
90%	71.3	61.5	25.3	9.1	17.5	23.3	23.1	25.8	26.3	21.8	28.2	56.7	389.9

Alwar **(in mm)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	78.4	60.2	17.5	2.7	1.6	0.6	1.0	1.4	1.6	24.5	46.0	54.7	290.2
50%	78.7	60.3	17.6	2.7	1.6	0.7	1.2	1.7	2.0	24.9	46.3	54.9	292.6
75%	79.2	60.7	17.7	2.7	1.8	0.9	1.6	2.4	2.9	25.6	46.7	55.3	297.5
90%	79.6	61.1	17.8	2.7	2.0	1.2	2.1	3.1	3.6	26.1	46.9	55.6	301.8

Banswara **(in mm)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	107.8	101.8	35.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	25.7	80.0	351.4
50%	108.1	102.0	35.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	25.7	80.2	352.2
75%	108.7	102.6	36.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	25.9	80.6	354.3
90%	109.0	102.9	36.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	25.9	80.9	355.3

Baran (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	75.8	52.2	14.5	0.3	0.1	0.0	3.7	3.3	3.6	34.4	61.8	74.4	324.1
50%	76.1	52.4	14.5	0.3	0.1	0.0	3.9	3.5	3.8	34.8	62.1	74.7	326.2
75%	76.6	52.7	14.6	0.3	0.1	0.0	4.3	3.9	4.3	35.5	62.6	75.3	330.2
90%	76.8	52.8	14.6	0.3	0.1	0.1	4.6	4.2	4.6	35.8	62.9	75.5	332.3

Barmer (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	77.9	25.3	2.6	0.1	0.1	0.1	1.6	2.8	3.8	5.0	47.1	76.9	243.3
50%	78.5	25.5	2.6	0.1	0.1	0.1	2.1	3.9	5.2	5.5	47.5	77.5	248.6
75%	78.8	25.6	2.6	0.1	0.1	0.1	3.5	6.3	8.4	6.7	47.7	77.8	257.7
90%	78.8	25.7	2.7	0.1	0.1	0.1	4.2	7.7	10.2	7.4	47.8	77.9	262.7

Bharatpur (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	67.5	51.7	13.9	0.4	0.4	0.3	0.9	0.8	0.9	20.2	38.4	47.6	243.0
50%	70.1	54.0	14.7	0.5	0.4	0.4	1.0	0.8	0.9	20.4	39.3	49.6	252.1
75%	77.4	60.7	16.9	0.5	0.4	0.4	1.1	0.9	1.1	20.7	41.1	55.0	276.2
90%	76.5	59.8	16.6	0.5	0.5	0.4	1.1	1.0	1.1	20.9	41.1	54.2	273.7

Bhilwara (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	84.6	75.0	25.4	1.9	7.1	9.5	9.1	9.6	8.7	12.6	29.5	63.2	336.2
50%	84.9	75.2	25.5	1.9	8.1	11.0	10.4	11.0	9.9	13.5	29.7	63.5	344.6
75%	85.5	75.7	25.7	2.0	10.0	13.7	13.0	13.9	12.6	15.3	30.0	64.0	361.4
90%	85.7	76.0	25.9	2.1	11.3	15.5	14.8	15.8	14.4	16.5	30.2	64.3	372.5

Bikaner (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	36.5	35.5	14.1	0.0	0.9	1.4	13.3	17.8	23.8	15.1	18.6	26.6	203.6
50%	36.7	35.7	14.2	0.0	1.1	1.6	17.1	22.9	30.7	18.4	18.8	26.7	223.9
75%	36.9	35.9	14.3	0.0	1.4	2.0	24.0	32.1	43.1	24.3	18.9	26.9	259.8
90%	37.0	36.1	14.3	0.0	1.6	2.3	28.7	38.5	51.7	28.4	19.0	27.0	284.6

Bundi (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	83.1	71.2	22.6	0.4	0.1	0.1	26.0	23.3	25.4	35.1	34.7	61.6	383.6
50%	83.4	71.4	22.7	0.4	0.1	0.1	27.6	24.7	27.0	36.7	35.0	61.8	390.9
75%	83.8	71.8	22.8	0.4	0.1	0.1	30.6	27.7	30.2	39.5	35.4	62.2	404.6
90%	84.0	72.0	22.9	0.4	0.1	0.1	32.6	29.6	32.3	41.3	35.7	62.3	413.3

Chittorgarh (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	90.1	73.8	22.3	0.6	2.2	2.9	3.2	3.2	2.9	18.5	41.7	66.5	327.9
50%	90.5	74.1	22.4	0.6	2.5	3.4	3.6	3.7	3.3	19.0	42.0	66.7	331.8
75%	91.0	74.6	22.6	0.6	3.1	4.2	4.4	4.5	4.0	19.6	42.3	67.2	338.1
90%	91.3	74.8	22.6	0.6	3.5	4.8	5.0	5.1	4.5	20.1	42.5	67.4	342.2

Churu (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	46.0	40.6	14.2	0.0	0.0	0.0	10.6	14.3	20.1	15.0	22.9	34.2	217.9
50%	46.2	40.8	14.3	0.0	0.0	0.0	13.8	18.7	26.3	17.8	23.1	34.4	235.4
75%	46.5	41.0	14.4	0.0	0.0	0.0	19.7	26.8	37.7	22.9	23.2	34.6	266.8
90%	46.6	41.2	14.4	0.0	0.0	0.0	23.7	32.3	45.4	26.3	23.3	34.8	288.0

Dausa (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	74.2	60.6	17.9	0.6	0.2	0.2	1.4	1.8	2.5	16.4	35.6	53.3	264.7
50%	74.5	60.8	18.0	0.6	0.2	0.2	1.8	2.3	3.2	16.9	35.8	53.6	267.9
75%	74.9	61.1	18.0	0.6	0.2	0.2	2.5	3.2	4.4	17.6	36.1	53.8	272.6
90%	75.2	61.3	18.1	0.6	0.2	0.2	2.9	3.8	5.3	18.1	36.2	54.0	275.9

Dholpur (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	78.2	62.4	17.9	0.3	0.3	0.2	0.2	0.1	0.2	18.3	39.4	55.7	273.2
50%	78.6	62.7	17.9	0.4	0.3	0.3	0.2	0.1	0.2	18.5	39.8	56.0	275.0
75%	79.1	63.2	18.1	0.4	0.3	0.3	0.2	0.1	0.3	18.8	40.1	56.4	277.3
90%	79.4	63.4	18.1	0.4	0.3	0.3	0.2	0.1	0.3	18.9	40.3	56.6	278.3

Dungarpur (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	110.3	103.3	35.9	0.4	0.3	0.3	0.3	0.2	0.2	0.5	25.8	81.8	359.3
50%	110.6	103.5	36.0	0.4	0.3	0.4	0.3	0.3	0.2	0.5	25.8	82.0	360.3
75%	111.2	104.1	36.3	0.4	0.4	0.4	0.3	0.3	0.3	0.6	26.0	82.4	362.7
90%	111.5	104.4	36.4	0.4	0.4	0.5	0.4	0.4	0.3	0.6	26.0	82.7	364.0

Ganganagar (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	45.3	36.6	11.6	1.6	14.6	20.3	21.4	23.6	21.0	25.4	25.2	32.5	279.1
50%	45.6	36.8	11.7	1.6	16.9	23.6	25.1	27.9	24.9	28.0	25.4	32.7	300.2
75%	45.9	37.0	11.8	1.7	21.0	29.5	32.2	36.3	32.4	32.5	25.6	32.9	338.8
90%	46.0	37.1	11.9	1.8	23.9	33.7	37.0	41.9	37.5	35.6	25.7	33.0	365.1

Hanumangarh (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	45.0	39.2	12.8	0.3	16.9	24.6	28.9	30.8	27.7	26.0	18.4	32.8	303.4
50%	45.2	39.4	12.8	0.3	19.9	28.9	33.6	36.0	32.4	29.2	18.6	32.9	329.2
75%	45.4	39.6	12.9	0.4	25.0	36.4	41.9	45.5	41.0	34.8	18.7	33.1	374.7
90%	45.6	39.7	12.9	0.4	28.6	41.7	47.7	52.1	46.9	38.8	18.8	33.2	406.4

Jaipur (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	80.5	70.4	24.7	4.9	0.3	0.1	3.5	5.1	7.1	13.9	33.3	59.4	303.2
50%	80.8	70.7	24.8	4.9	0.3	0.1	4.6	6.6	9.2	14.9	33.6	59.6	310.1
75%	81.3	71.2	24.9	5.0	0.4	0.1	6.7	9.7	13.5	16.8	33.8	60.1	323.5
90%	81.6	71.4	25.0	5.0	0.4	0.1	8.0	11.8	16.3	18.1	34.0	60.3	332.0

Jaisalmer (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	59.3	38.7	12.0	0.0	0.1	0.1	4.6	6.8	8.7	14.8	41.5	49.4	236.0
50%	59.7	38.9	12.1	0.0	0.1	0.1	5.9	8.8	11.3	16.1	41.8	49.8	244.6
75%	60.1	39.3	12.2	0.0	0.1	0.1	8.7	13.0	16.6	18.3	42.1	50.1	260.6
90%	60.3	39.4	12.2	0.0	0.1	0.1	10.5	15.7	20.0	19.8	42.3	50.3	270.7

Jalore (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	89.7	37.8	6.1	0.6	0.3	0.3	1.2	1.9	2.5	16.1	57.3	79.3	293.1
50%	90.2	38.0	6.1	0.6	0.3	0.3	1.6	2.5	3.3	16.5	57.7	79.7	296.8
75%	90.6	38.3	6.2	0.6	0.3	0.4	2.4	3.8	5.0	17.3	58.0	80.1	303.0
90%	90.8	38.4	6.2	0.6	0.4	0.5	2.8	4.6	6.1	17.8	58.1	80.3	306.6

Jhalawar (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	66.4	45.1	19.6	7.5	8.4	7.0	5.8	4.5	4.8	34.6	66.2	83.4	353.3
50%	66.6	45.3	19.8	7.7	8.7	7.3	6.0	4.8	5.0	34.9	66.5	83.7	356.3
75%	67.1	45.7	20.3	8.2	9.3	7.8	6.5	5.1	5.4	35.6	67.2	84.6	362.8
90%	67.3	45.9	20.6	8.6	9.7	8.1	6.8	5.4	5.7	35.9	67.5	84.9	366.4

Jhunjhunu (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	59.2	51.2	17.2	0.8	0.4	0.0	2.1	3.8	5.0	13.8	31.3	42.3	227.1
50%	59.5	51.5	17.3	0.8	0.4	0.0	2.8	5.0	6.7	14.6	31.5	42.5	232.6
75%	59.9	51.7	17.4	0.8	0.4	0.0	4.5	8.0	10.7	16.1	31.8	42.8	244.1
90%	60.1	52.0	17.5	0.8	0.4	0.0	5.4	9.7	12.9	17.0	32.0	43.0	250.8

Jodhpur (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	50.1	29.4	10.8	5.9	4.9	3.0	10.7	14.8	19.2	18.6	30.0	40.7	238.1
50%	50.4	29.6	10.8	5.9	5.3	3.6	13.8	19.1	25.0	21.2	30.3	41.0	256.0
75%	50.7	29.7	10.8	5.9	6.0	4.5	19.7	27.8	36.5	26.3	30.6	41.4	289.9
90%	50.8	29.9	10.9	5.9	6.4	5.1	23.6	33.4	44.0	29.6	30.8	41.6	312.0

Karauli (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	80.8	66.7	20.1	0.6	0.3	0.3	0.2	0.2	0.3	15.6	36.6	58.0	279.7
50%	81.2	67.0	20.2	0.7	0.3	0.3	0.2	0.2	0.3	15.7	36.9	58.3	281.3
75%	81.8	67.4	20.3	0.7	0.4	0.3	0.3	0.3	0.4	15.9	37.2	58.7	283.7
90%	82.1	67.6	20.4	0.7	0.4	0.4	0.3	0.3	0.4	16.0	37.4	58.9	284.9

Kota (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	76.6	55.6	16.1	0.5	0.2	0.1	10.2	9.0	9.8	36.1	55.8	70.8	340.8
50%	76.9	55.8	16.2	0.5	0.2	0.2	10.8	9.5	10.4	36.8	56.2	71.1	344.6
75%	77.4	56.1	16.2	0.5	0.2	0.2	11.9	10.5	11.4	38.1	56.7	71.6	350.8
90%	77.6	56.3	16.3	0.5	0.2	0.2	12.6	11.1	12.1	38.9	57.0	71.8	354.6

Nagaur (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	58.4	39.3	12.7	3.0	5.0	5.2	8.7	11.9	13.4	12.7	30.2	48.9	249.4
50%	58.8	39.5	12.8	3.0	5.6	6.1	10.9	15.1	17.3	14.5	30.5	49.3	263.4
75%	59.1	39.7	12.8	3.0	6.7	7.7	15.5	22.1	25.8	18.1	30.6	49.5	290.6
90%	59.2	39.8	12.8	3.0	7.5	8.8	18.5	26.4	31.0	20.3	30.7	49.6	307.6

Pali (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	88.5	68.8	21.3	1.2	4.7	6.2	5.7	6.3	6.0	15.0	37.6	67.2	328.5
50%	88.9	69.1	21.4	1.2	5.4	7.1	6.5	7.2	6.9	15.8	37.9	67.6	335.0
75%	89.4	69.5	21.6	1.2	6.6	8.8	8.3	9.3	9.0	17.1	38.3	68.2	347.3
90%	89.7	69.7	21.6	1.3	7.5	10.1	9.5	10.7	10.4	18.0	38.5	68.5	355.5

Pratapgarh (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	96.1	88.5	31.2	0.8	0.4	0.2	0.2	0.1	0.2	4.0	30.4	71.7	323.8
50%	96.5	88.7	31.3	0.8	0.5	0.3	0.2	0.2	0.2	4.1	30.5	72.0	325.3
75%	97.1	89.3	31.5	0.8	0.5	0.3	0.2	0.2	0.2	4.1	30.7	72.4	327.3
90%	97.3	89.6	31.6	0.8	0.5	0.3	0.2	0.2	0.3	4.2	30.8	72.6	328.4

Rajsamand (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	72.6	66.0	22.3	1.1	12.9	18.5	15.4	16.3	13.3	13.2	22.6	54.4	328.6
50%	72.9	66.2	22.4	1.1	15.1	21.7	18.0	19.1	15.6	14.8	22.8	54.6	344.3
75%	73.3	66.6	22.5	1.2	19.0	27.3	22.7	24.1	19.8	17.8	23.0	55.1	372.4
90%	73.5	66.8	22.6	1.2	21.7	31.3	26.0	27.6	22.7	19.9	23.1	55.3	391.7

Sawai Madhopur (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	81.0	57.6	13.6	0.4	0.1	0.1	0.2	0.2	1.1	31.5	55.5	56.7	298.0
50%	81.5	57.9	13.6	0.4	0.1	0.1	0.2	0.3	1.3	31.9	56.1	57.1	300.5
75%	82.1	58.3	13.7	0.4	0.2	0.1	0.3	0.4	1.7	32.5	56.7	57.8	304.2
90%	82.4	58.5	13.7	0.4	0.2	0.1	0.4	0.5	2.0	32.8	57.1	58.2	306.3

Sikar (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	54.3	47.6	16.0	1.1	0.5	0.1	6.5	10.4	13.7	13.7	24.8	39.5	228.2
50%	54.5	47.9	16.1	1.1	0.5	0.1	8.5	13.6	18.1	15.5	25.0	39.7	240.6
75%	54.8	48.1	16.2	1.1	0.5	0.1	12.7	20.3	27.2	19.1	25.2	40.0	265.3
90%	55.0	48.3	16.2	1.1	0.5	0.1	15.3	24.4	32.8	21.4	25.3	40.1	280.5

Sirohi (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	86.4	71.8	26.9	7.7	3.3	4.2	5.7	6.6	7.5	15.3	34.7	64.6	334.7
50%	86.8	72.0	27.1	7.8	3.8	4.9	6.8	8.0	9.1	16.2	34.9	64.9	342.3
75%	87.3	72.5	27.3	7.9	4.6	6.1	9.0	10.7	12.3	18.0	35.3	65.4	356.4
90%	87.5	72.7	27.4	8.0	5.2	6.9	10.5	12.5	14.5	19.2	35.5	65.7	365.6

Tonk (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	81.1	57.3	13.4	0.6	0.2	0.3	0.5	0.6	1.0	30.7	55.0	56.9	297.6
50%	81.5	57.5	13.5	0.6	0.2	0.3	0.5	0.7	1.2	31.0	55.4	57.2	299.6
75%	82.1	58.0	13.6	0.6	0.3	0.4	0.7	1.0	1.7	31.5	55.9	57.7	303.5
90%	82.4	58.1	13.6	0.6	0.3	0.4	0.9	1.2	2.0	31.8	56.2	58.0	305.5

Udaipur (in mm)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	99.6	88.9	29.3	0.7	0.6	0.7	0.5	0.5	0.4	7.6	32.9	73.6	335.3
50%	99.9	89.1	29.4	0.7	0.7	0.7	0.6	0.5	0.5	7.7	33.0	73.8	336.6
75%	100.5	89.6	29.6	0.8	0.8	0.9	0.7	0.7	0.6	7.9	33.3	74.2	339.6
90%	100.8	89.9	29.7	0.8	0.8	1.0	0.8	0.7	0.6	7.9	33.4	74.5	340.9

Table B-6.3 District-wise weighted net crop water requirement (in m³/ha)

Ajmer **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	701	605	249	89	110	138	133	147	147	143	266	547	3275
50%	704	608	250	90	127	162	156	173	173	161	270	552	3426
75%	710	613	252	91	155	204	201	224	228	195	277	562	3712
90%	713	615	253	91	175	233	231	258	263	218	282	567	3899

Alwar **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	784	602	175	27	16	6	10	14	16	245	460	547	2902
50%	787	603	176	27	16	7	12	17	20	249	463	549	2926
75%	792	607	177	27	18	9	16	24	29	256	467	553	2975
90%	796	611	178	27	20	12	21	31	36	261	469	556	3018

Banswara **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	1078	1018	358	2	1	0	0	0	0	0	257	800	3514
50%	1081	1020	359	2	1	0	0	0	0	0	257	802	3522
75%	1087	1026	361	2	1	1	0	0	0	0	259	806	3543
90%	1090	1029	362	2	1	1	0	0	0	0	259	809	3553

Baran (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	758	522	145	3	1	0	37	33	36	344	618	744	3241
50%	761	524	145	3	1	0	39	35	38	348	621	747	3262
75%	766	527	146	3	1	0	43	39	43	355	626	753	3302
90%	768	528	146	3	1	1	46	42	46	358	629	755	3323

Barmer (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	779	253	26	1	1	1	16	28	38	50	471	769	2433
50%	785	255	26	1	1	1	21	39	52	55	475	775	2486
75%	788	256	26	1	1	1	35	63	84	67	477	778	2577
90%	788	257	27	1	1	1	42	77	102	74	478	779	2627

Bharatpur (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	675	517	139	4	4	3	9	8	9	202	384	476	2430
50%	701	540	147	5	4	4	10	8	9	204	393	496	2521
75%	774	607	169	5	4	4	11	9	11	207	411	550	2762
90%	765	598	166	5	5	4	11	10	11	209	411	542	2737

Bhilwara **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	846	750	254	19	71	95	91	96	87	126	295	632	3362
50%	849	752	255	19	81	110	104	110	99	135	297	635	3446
75%	855	757	257	20	100	137	130	139	126	153	300	640	3614
90%	857	760	259	21	113	155	148	158	144	165	302	643	3725

Bikaner **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	365	355	141	0	9	14	133	178	238	151	186	266	2036
50%	367	357	142	0	11	16	171	229	307	184	188	267	2239
75%	369	359	143	0	14	20	240	321	431	243	189	269	2598
90%	370	361	143	0	16	23	287	385	517	284	190	270	2846

Bundi **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	831	712	226	4	1	1	260	233	254	351	347	616	3836
50%	834	714	227	4	1	1	276	247	270	367	350	618	3909
75%	838	718	228	4	1	1	306	277	302	395	354	622	4046
90%	840	720	229	4	1	1	326	296	323	413	357	623	4133

Chittorgarh (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	901	738	223	6	22	29	32	32	29	185	417	665	3279
50%	905	741	224	6	25	34	36	37	33	190	420	667	3318
75%	910	746	226	6	31	42	44	45	40	196	423	672	3381
90%	913	748	226	6	35	48	50	51	45	201	425	674	3422

Churu (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	460	406	142	0	0	0	106	143	201	150	229	342	2179
50%	462	408	143	0	0	0	138	187	263	178	231	344	2354
75%	465	410	144	0	0	0	197	268	377	229	232	346	2668
90%	466	412	144	0	0	0	237	323	454	263	233	348	2880

Dausa (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	742	606	179	6	2	2	14	18	25	164	356	533	2647
50%	745	608	180	6	2	2	18	23	32	169	358	536	2679
75%	749	611	180	6	2	2	25	32	44	176	361	538	2726
90%	752	613	181	6	2	2	29	38	53	181	362	540	2759

Dholpur **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	782	624	179	3	3	2	2	1	2	183	394	557	2732
50%	786	627	179	4	3	3	2	1	2	185	398	560	2750
75%	791	632	181	4	3	3	2	1	3	188	401	564	2773
90%	794	634	181	4	3	3	2	1	3	189	403	566	2783

Dungarpur **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	1103	1033	359	4	3	3	3	2	2	5	258	818	3593
50%	1106	1035	360	4	3	4	3	3	2	5	258	820	3603
75%	1112	1041	363	4	4	4	3	3	3	6	260	824	3627
90%	1115	1044	364	4	4	5	4	4	3	6	260	827	3640

Ganganagar **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	453	366	116	16	146	203	214	236	210	254	252	325	2791
50%	456	368	117	16	169	236	251	279	249	280	254	327	3002
75%	459	370	118	17	210	295	322	363	324	325	256	329	3388
90%	460	371	119	18	239	337	370	419	375	356	257	330	3651

Hanumangarh **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	450	392	128	3	169	246	289	308	277	260	184	328	3034
50%	452	394	128	3	199	289	336	360	324	292	186	329	3292
75%	454	396	129	4	250	364	419	455	410	348	187	331	3747
90%	456	397	129	4	286	417	477	521	469	388	188	332	4064

Jaipur **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	805	704	247	49	3	1	35	51	71	139	333	594	3032
50%	808	707	248	49	3	1	46	66	92	149	336	596	3101
75%	813	712	249	50	4	1	67	97	135	168	338	601	3235
90%	816	714	250	50	4	1	80	118	163	181	340	603	3320

Jaisalmer **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	593	387	120	0	1	1	46	68	87	148	415	494	2360
50%	597	389	121	0	1	1	59	88	113	161	418	498	2446
75%	601	393	122	0	1	1	87	130	166	183	421	501	2606
90%	603	394	122	0	1	1	105	157	200	198	423	503	2707

Jalore (in m³/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	897	378	61	6	3	3	12	19	25	161	573	793	2931
50%	902	380	61	6	3	3	16	25	33	165	577	797	2968
75%	906	383	62	6	3	4	24	38	50	173	580	801	3030
90%	908	384	62	6	4	5	28	46	61	178	581	803	3066

Jhalawar (in m³/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	664	451	196	75	84	70	58	45	48	346	662	834	3533
50%	666	453	198	77	87	73	60	48	50	349	665	837	3563
75%	671	457	203	82	93	78	65	51	54	356	672	846	3628
90%	673	459	206	86	97	81	68	54	57	359	675	849	3664

Jhunjhunu (in m³/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	592	512	172	8	4	0	21	38	50	138	313	423	2271
50%	595	515	173	8	4	0	28	50	67	146	315	425	2326
75%	599	517	174	8	4	0	45	80	107	161	318	428	2441
90%	601	520	175	8	4	0	54	97	129	170	320	430	2508

Jodhpur **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	501	294	108	59	49	30	107	148	192	186	300	407	2381
50%	504	296	108	59	53	36	138	191	250	212	303	410	2560
75%	507	297	108	59	60	45	197	278	365	263	306	414	2899
90%	508	299	109	59	64	51	236	334	440	296	308	416	3120

Karauli **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	808	667	201	6	3	3	2	2	3	156	366	580	2797
50%	812	670	202	7	3	3	2	2	3	157	369	583	2813
75%	818	674	203	7	4	3	3	3	4	159	372	587	2837
90%	821	676	204	7	4	4	3	3	4	160	374	589	2849

Kota **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	766	556	161	5	2	1	102	90	98	361	558	708	3408
50%	769	558	162	5	2	2	108	95	104	368	562	711	3446
75%	774	561	162	5	2	2	119	105	114	381	567	716	3508
90%	776	563	163	5	2	2	126	111	121	389	570	718	3546

Nagaur (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	584	393	127	30	50	52	87	119	134	127	302	489	2494
50%	588	395	128	30	56	61	109	151	173	145	305	493	2634
75%	591	397	128	30	67	77	155	221	258	181	306	495	2906
90%	592	398	128	30	75	88	185	264	310	203	307	496	3076

Pali (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	885	688	213	12	47	62	57	63	60	150	376	672	3285
50%	889	691	214	12	54	71	65	72	69	158	379	676	3350
75%	894	695	216	12	66	88	83	93	90	171	383	682	3473
90%	897	697	216	13	75	101	95	107	104	180	385	685	3555

Pratapgarh (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	961	885	312	8	4	2	2	1	2	40	304	717	3238
50%	965	887	313	8	5	3	2	2	2	41	305	720	3253
75%	971	893	315	8	5	3	2	2	2	41	307	724	3273
90%	973	896	316	8	5	3	2	2	3	42	308	726	3284

Rajsamand **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	726	660	223	11	129	185	154	163	133	132	226	544	3286
50%	729	662	224	11	151	217	180	191	156	148	228	546	3443
75%	733	666	225	12	190	273	227	241	198	178	230	551	3724
90%	735	668	226	12	217	313	260	276	227	199	231	553	3917

Sawai Madhopur **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	810	576	136	4	1	1	2	2	11	315	555	567	2980
50%	815	579	136	4	1	1	2	3	13	319	561	571	3005
75%	821	583	137	4	2	1	3	4	17	325	567	578	3042
90%	824	585	137	4	2	1	4	5	20	328	571	582	3063

Sikar **(in m³/ha)**

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	543	476	160	11	5	1	65	104	137	137	248	395	2282
50%	545	479	161	11	5	1	85	136	181	155	250	397	2406
75%	548	481	162	11	5	1	127	203	272	191	252	400	2653
90%	550	483	162	11	5	1	153	244	328	214	253	401	2805

Sirohi (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	864	718	269	77	33	42	57	66	75	153	347	646	3347
50%	868	720	271	78	38	49	68	80	91	162	349	649	3423
75%	873	725	273	79	46	61	90	107	123	180	353	654	3564
90%	875	727	274	80	52	69	105	125	145	192	355	657	3656

Tonk (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	811	573	134	6	2	3	5	6	10	307	550	569	2976
50%	815	575	135	6	2	3	5	7	12	310	554	572	2996
75%	821	580	136	6	3	4	7	10	17	315	559	577	3035
90%	824	581	136	6	3	4	9	12	20	318	562	580	3055

Udaipur (in m^3/ha)

Dependability Levels	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
25%	996	889	293	7	6	7	5	5	4	76	329	736	3353
50%	999	891	294	7	7	7	6	5	5	77	330	738	3366
75%	1005	896	296	8	8	9	7	7	6	79	333	742	3396
90%	1008	899	297	8	8	10	8	7	6	79	334	745	3409

Appendix B-7: Details of Power Plants

Table B-7.1 Ongoing State Owned Power Plants - (Proposed to be completed by 2020)

S. No.	District	Name of Power Generation Unit	Capacity (MW)	Implementing Agency	Reservation of water in Mm³ for power station	Source of water	Present status of Dam / Anicuts/ sluice gates by WRD	Status of system from Dam / river/ canal to power house by RVUNL	Remarks
1	Baran	*Chhabra TPS*							
		Gas based Power project	3x110	RVUNL	8.92	Parwan Major Irrigation Project	Project Report submitted to CWC for approval	Intake well & pipeline work to be completed.	Stage is targeted for commissioning in 2013-14
2	Jhalawar	*Kalisindh TPS*							
		Kalisindh TPP, Unit-1&2	2x600	RVUNL	33.98	Kalisindh dam	Dam construction work is in progress	Intake well & pipeline work to be completed.	Dam will be constructed by W.R. Department with 1200 mcft capacity for RVUNL as deposit work and Units are targeted for commissioning in 2011-12.
		Kalisindh TPP, Unit-3&4	2x660	RVUNL	37.38	Kalisindh dam			Units are targeted for commissioning in 2015-16.
3	Ganganagar	*Suratgarh TPS*							
		Suratgarh TPP, Stage- V, Unit 7 &8	2x660	RVUNL	37.38	IGNP	New connection from canal through sluice gate to be provided	RVUNL to construct Intake canal along with reservoir and pumping station	Units-7&8 are targeted for commissioning in 2014-15
		Suratgarh TPP, Stage- VI, (Unit 9 & 10)	2x660	RVUNL	37.38	IGNP			Units-9&10 are targeted for commissioning in 2015-16
4	Jaisalmer	*Ramgarh TPS*							
		Ramgarh Gas Based TPP, Stage- III	160	RVUNL	8.93	IGNP	New connection from canal through sluice gate to be provided	water conductor system by BoP contractor is in progress	Stage is targeted for commissioning in 2013-14

S. No.	District	Name of Power Generation Unit	Capacity (MW)	Implementing Agency	Reservation of water in Mm³ for power station	Source of water	Present status of Dam / Anicuts/ sluice gates by WRD	Status of system from Dam / river/ canal to power house by RVUNL	Remarks
		Ramgarh Gas Based TPP, Stage IV	160	RVUNL	8.93		New connection from canal through sluice gate to be provided	water conductor system by BoP contractor is in progress	Stage is targeted for commissioning in 2015-16
5	Banswara	*Banswara TPS*							
		Banswara TPP, Unit-1&2	2x660	RVUNL	56.64	Mahi Dam	New connection from Dam to be provided	RVUNL has to provide water conveyance arrangements.	Units-1&2 are targeted for commissioning in 2016-17
6	Dholpur	*Dholpur TPS*							
		Dholpur Gas Power Project Stage-II	3x110	RVUNL	8.93	Chambal	Intake well to be provided	Intake well and pumping station system from river to pump house to be provided.	Stage is targeted for commissioning in 2013-14
7	Baran	Kawai TPS	1200	Private (Adani Enterprises)	33.98	Parwan Major Irrigation Project	Project report submitted to CWC for approval		GoR has entered into an MOU with M/s Adani enterprises for installation of 1200 MW coal based thermal power project at Kawai Distt. Baran for which water requirement of 1200 mcft shall be arranged by GoR.
8	Banswara	TPS (IPP)	2x660	RVPNL	56.64 (requirement posed to WR Deptt. vide	Mahi Dam	Completed		The project will be developed under Case II as IPP project for which RVPNL is Nodal Agency.

S. No.	District	Name of Power Generation Unit	Capacity (MW)	Implementing Agency	Reservation of water in Mm³ for power station	Source of water	Present status of Dam / Anicuts/ sluice gates by WRD	Status of system from Dam / river/ canal to power house by RVUNL	Remarks
					letter dated 03.2.09 by CMD RVPNL)				
9	Barmer	Giral Lignite TPS Unit 3 & 4	2x125	RVUNL	16.14	IGNP	New connection from canal through sluice gate to be provided	IPP route-2	The Units -3&4 Taken under case -II and RVPNL is the nodal agency for execution of the project.
10	Baran	*Chhabra TPS*							
		Chhabra TPP Stage I Phase-I, Unit- 3&4	2x250	RVUNL	14.16	Hindlot Dam	Completed	Interim arrangement for transportation of water by M.S pipeline and submersible pump from Hindlot Dam to Baithali Balancing reservoir completed. Intake well and pump house work in progress at hindlot dam	Hindlot Dam constructed for Units-3&4 and units are targeted for commissioning in 2011-12
		Chhabra TPP Stage II Unit-5&6	2x660	RVUNL	44.46	Parwan Major Irrigation Project	Project report submitted to CWC for approval	Intake well and pipeline work to be completed	Units-5&6 are targeted for commissioning in 2014-15
						Lhasi Dam	work is in progress		

Source – RVUNL Jaipur

Table B-7.2 Future State Owned Power Projects (Proposed to be completed by 2040)

S. No.	District	Name of Power Generation Unit	Capacity (MW)	Implementing Agency	Requirement of Water for the power station	Reservation of water in Mm^3 for power station	Source of water	Present status of Dam / Anicuts by WR Deptt.	Status of system from dam / canal/river to power house by RVUNL	Remarks
1	Barmer	Giral lignite TPS Unit 5 to 8	4x125	RVUNL	32.15	32.15	IGNP	New connection from canal through Sluice gate to be provided	Project is yet to be sanctioned	Future project of RVUNL
2	Baran	Chhabra TPS Unit - 7 & 8	2x660	RVUNL	37.38	37.38	Parwan Major Irrigation Project	Intake well and pipeline work yet to be done	Project report submitted to CWC for approval	Future project of RVUNL
3	Bundi	Keshoraipatan Gas TPP	1000	IPP	26.79	26.7	Chambal			Future project of RVUNL
4	Kota	Kota Gas Project	3x110	RVUNL	8.93	8.9	Chambal	Intake system yet to be provided	construction of the project not started	Permission to draw water from Kota Barrage given by CAD and WRD.

Source – RVUNL Jaipur

Table B-7.3 Future Other Than State Owned Power Projects

S. No.	District	Block	Name of Power Plant	Initial Installed Capacity, (MW)	Water Demand, Mm^3	Remarks
1	Baran	Antah	Antah GPS Stage – II	1050	58.80	To be implemented by 2030
2	Barmer	Barmer	Jalipa Kapurdi Lignite, Barmer	1350	58.05	To be implemented by 2020
3	Bhilwara	Mandalgarh	Mandalgarh TPS, Bhilwara	630	28.35	To be implemented by 2030
4	Chittaurgarh	Bainsrorgarh	RAPP (Nuclear) Unit 7&8	1400	81.67	To be implemented by 2020

Source: Tahal-WAPCOS Study, 1998 and Private Sector Projects

Table B-7.4 District wise Water Demand of Existing/Ongoing and Proposed Power Generation Units in Mm^3/year

District	Block	S. No.	Name of Power Plant	Initial Installed Capacity	Water Demand, Mm^3/yr					Source of Water
				(MW)	2010	2020	2030	2040	2060	
Banswara	Ghatol	1	RMC-I, Mahi	0.800	0.04	0.04	0.04	0.04	0.04	Mahi Dam
		2	RMC-II, Mahi	0.165	0.01	0.01	0.01	0.01	0.01	Mahi Dam
	Bagidora	3	Mahi Hydel Project	140.000	12.60	12.60	12.60	12.60	12.60	Mahi Dam
	Chhoti Sarvan	4	Banswara TPP, Unit 1&2	1320.000		56.64	56.64	76.69	128.69	Mahi Dam
		5	Banswara TPS (IPP)	1320.000		56.64	56.64	76.69	128.69	Mahi Dam
Baran	Antah	6	Mangrol Hydel Project	6.000	0.27	0.27	0.27	0.27	0.27	Chambal (LMC) i.e. Kota Barrage
		7	Anta GPS	413.000	23.13	23.13	23.13	23.13	23.13	Chambal (RMC) i.e. Kota Barrage
		8	Anta GPS Stage-II	1050.000			58.80	79.62	133.60	Chambal (RMC) i.e. Kota Barrage
	Chhabra	9	Chhabra TPP, Stage I, Phase I (Unit 1 &2)	500.000	14.16	14.16	14.16	14.16	14.16	2.84 Mm^3 from Anicut on Parbati River, 5.66 Mm^3 from overflow of Parbati River during rains and 5.66 Mm^3 from Bethli Dam
		10	Chhabra TPS, Gas based Power Project	330.000		8.92	8.92	8.92	8.92	Parwan Major Irrigation Project
	Atru	11	Kawai TPS	1200.000		33.98	33.98	33.98	33.98	Parwan Major Irrigation Project
	Chhabra	12	Chhabra TPP, Stage I, Phase I (Unit 3&4)	500.000		14.16	14.16	14.16	14.16	Hindlot Dam
		13	Chhabra TPP, StageII Unit 5&6	1320.000		44.46	44.46	44.46	44.46	35.96 Mm^3 from Parwan Major Irrigation Project & 8.50 Mm^3 from Lhasi Dam
		14	Chhabra TPS Unit 7&8	1320.000			37.38	37.38	37.38	Parwan Major Irrigation Project
Barmer	Sheo	15	Giral Lignite TPS Unit 1&2	250.000	10.72	10.72	10.72	10.72	10.72	IGNP
		16	Giral Lignite TPS Unit 3&4	250.000		16.14	16.14	21.85	36.66	IGNP
	Barmer	17	Jalipa Kapurdi Lignite, Barmer	1350.000		58.05	58.05	78.60	131.89	IGNP
	Sheo	18	Giral Lignite TPS Unit 5 to 8	500.000			32.15	43.53	73.04	IGNP
Bhilwara	Mandalgarh	19	Mandalgarh TPS, Bhilwara	630.000			28.35	28.35	28.35	Minor Dam
Bikaner	Kolayat	20	Birsalpur Hydel Power House	0.535	0.02	0.02	0.02	0.02	0.02	IGNP

District	Block	S. No.	Name of Power Plant	Initial Installed Capacity	Water Demand, Mm^3/yr					Source of Water
				(MW)	2010	2020	2030	2040	2060	
		21	Charanwala Hydel Station	1.200	0.05	0.05	0.05	0.05	0.05	IGNP
	Khajuwala	22	Pugal Mini Hydel Project - I	1.500	0.07	0.07	0.07	0.07	0.07	IGNP
		23	Pugal Mini Hydel Project - II	0.650	0.03	0.03	0.03	0.03	0.03	IGNP
	Bikaner	24	Palana Lignite	120.000	7.80	7.80	7.80	7.80	7.80	IGNP
		25	Birsinghsar Lignite by NTPC	240.000	15.60	15.60	15.60	15.60	15.60	IGNP
Bundi	Keshoraipatan	26	Keshoraipatan Gas TPP	1000.000			26.79	36.27	60.86	Chambal River
Chittaurgarh	Chittaurgarh	27	Chittaurgarh TPS	220.000	9.90	9.90	9.90	9.90	9.90	Dam
	Bainsrorgarh	28	RAPP (Nuclear) Unit 1 to 6	1180.000	52.31	52.31	52.31	52.31	52.31	Rana Pratap Sagar Dam
		29	RAPP (Nuclear) Unit 7 & 8	1400.000		81.67	81.67	110.58	185.55	Rana Pratap Sagar Dam
Dhaulpur	Dhaulpur	30	Dhaulpur Gas Combined Cycle, Stage-I	330.000	17.86	17.86	17.86	17.86	17.86	Chambal River
		31	Dhaulpur Gas Power Project Stage-II	330.000		8.93	8.93	12.09	20.29	Chambal River
Ganganagar	Suratgarh	32	Anoopgarh Hydel Station, Anoopgarh	9.000	0.41	0.41	0.41	0.41	0.41	IGNP
		33	Suratgarh Super TPS Stage I to IV (Unit-1 to 6)	1500.000	107.16	107.16	107.16	107.16	107.16	IGNP
		34	Suratgarh TPP, Stage-V, Unit 7&8	1320.000		37.38	37.38	50.61	84.92	IGNP
		35	Suratgarh TPP, Stage-VI, Unit 9&10	1320.000		37.38	37.38	50.61	84.92	IGNP
Hanumangarh	Hanumangarh	36	Suratgarh Mini Hydel Power House, Lakhuwali	4.000	0.18	0.18	0.18	0.18	0.18	IGNP
Jaisalmer	Sam	37	Ramgarh Gas TPS	35.500	1.55	1.55	1.55	1.55	1.55	IGNP
		38	Ramgarh Gas TPS (Extn.)	75.000	3.27	3.27	3.27	3.27	3.27	IGNP
		39	Ramgarh Gas Based TPP, Stage-III	160.000		8.93	8.93	12.09	20.29	IGNP
		40	Ramgarh Gas Based TPP, Stage-IV	160.000		8.93	8.93	12.09	20.29	IGNP
Jhalawar	Jhalrapatan	41	Kalisindh TPP, Unit 1&2	1200.000		33.98	33.98	33.98	33.98	Kalisindh Dam
		42	Kalisindh TPP, Unit 3&4	1200.000		37.38	37.38	37.38	37.38	Kalisindh Dam
Jodhpur	Osian	43	Solar Thermal, Matharia	30.000	1.42	1.42	1.42	1.42	1.42	IGNP

District	Block	S. No.	Name of Power Plant	Initial Installed Capacity	Water Demand, Mm^3/yr					Source of Water
				(MW)	2010	2020	2030	2040	2060	
Kota	Ladpur	44	Kota Super TPS Stage I to V (Unit 1 to 7)	1240.000	88.66	88.66	88.66	88.66	88.66	Kota Barrage
		45	Kota Gas Project	330.000			8.93	12.09	20.29	Kota Barrage
			Total	25807.350	367.22	910.79	1103.19	1279.24	1735.81	

Appendix B-8: Forest Cover and Future Projections for Water Demand

1. Forest Cover and Future Water Demands

Following table gives the district wise and block wise water demands for the year 2010, 2020, 2040 and 2060, which have been worked out on the basis of percentage of total forest areas.

Table B-8.1 District and Block wise Water Demand for the Forest cover in the year 2020, 2040 and 2060

S. No.	District	S. No.	Block	% of Total Forest area	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
1	2	3	4	5	6	7	8	9
1	Ajmer	1	Arain	0.037	0.002	0.002	0.003	0.003
		2	Binay	0.054	0.003	0.004	0.004	0.004
		3	Jawaja	0.555	0.035	0.037	0.041	0.046
		4	Kekri	0.043	0.003	0.003	0.003	0.004
		5	Kishangarh	0.081	0.005	0.005	0.006	0.007
		6	Masooda	0.052	0.003	0.003	0.004	0.004
		7	Peesangan	0.288	0.018	0.019	0.021	0.024
		8	Shrinagar	0.137	0.009	0.009	0.010	0.011
			Sub Total	1.246	0.078	0.082	0.092	0.103
2	Alwar	9	Bansur	0.583	0.036	0.039	0.043	0.048
		10	Behror	0.094	0.006	0.006	0.007	0.008
		11	Kathumar	0.001	0.000	0.000	0.000	0.000
		12	Kishangarh Bas	0.530	0.033	0.035	0.039	0.044
		13	Kotkasim	0.000	0.000	0.000	0.000	0.000
		14	Lachhmangarh	0.095	0.006	0.006	0.007	0.008
		15	Mandawar	0.196	0.012	0.013	0.015	0.016
		16	Nimrana	0.128	0.008	0.008	0.009	0.010
		17	Rajgarh	1.658	0.104	0.110	0.123	0.136
		18	Ramgarh	0.226	0.014	0.015	0.017	0.019
		19	Reni	0.082	0.005	0.005	0.006	0.007
		20	Thanagazi	1.355	0.085	0.090	0.101	0.111
		21	Tijara	0.793	0.050	0.053	0.059	0.065
		22	Umren	2.183	0.136	0.145	0.162	0.179
			Sub Total	7.924	0.495	0.525	0.588	0.651
3	Banswara	23	Anandpuri	0.161	0.010	0.011	0.012	0.013
		24	Bagidora	0.256	0.016	0.017	0.019	0.021
		25	Banswara	1.151	0.072	0.076	0.085	0.095
		26	Chhoti Sarvan	0.284	0.018	0.019	0.021	0.023
		27	Garhi	0.223	0.014	0.015	0.017	0.018
		28	Ghatol	1.106	0.069	0.073	0.082	0.091
		29	Kushalgarh	0.836	0.052	0.056	0.062	0.069
		30	Sajjangarh	0.056	0.003	0.004	0.004	0.005
			Sub Total	4.073	0.254	0.271	0.302	0.335

S. No.	District	S. No.	Block	% of Total Forest area	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
1	2	3	4	5	6	7	8	9
4	Baran	31	Antah	0.024	0.002	0.002	0.002	0.002
		32	Atru	0.582	0.036	0.039	0.043	0.048
		33	Baran	0.031	0.002	0.002	0.002	0.003
		34	Chhabra	1.239	0.077	0.082	0.092	0.102
		35	Chhipabarod	1.665	0.104	0.111	0.124	0.137
		36	Kishanganj	1.266	0.079	0.084	0.094	0.104
		37	Shahbad	3.310	0.207	0.220	0.246	0.272
			Sub Total	8.116	0.507	0.540	0.603	0.668
5	Barmer	38	Balotra	0.009	0.001	0.001	0.001	0.001
		39	Barmer	0.000	0.000	0.000	0.000	0.000
		40	Baytoo	0.000	0.000	0.000	0.000	0.000
		41	Chohtan	0.000	0.000	0.000	0.000	0.000
		42	Dhorimanna	0.000	0.000	0.000	0.000	0.000
		43	Sheo	0.000	0.000	0.000	0.000	0.000
		44	Sindhari	0.000	0.000	0.000	0.000	0.000
		45	Siwana	0.371	0.023	0.025	0.028	0.031
			Sub Total	0.380	0.024	0.026	0.029	0.032
6	Bharatpur	46	Bayana	0.312	0.019	0.021	0.023	0.026
		47	Deeg	0.043	0.003	0.003	0.003	0.004
		48	Kaman	0.001	0.000	0.000	0.000	0.000
		49	Kumher	0.013	0.001	0.001	0.001	0.001
		50	Nadbai	0.000	0.000	0.000	0.000	0.000
		51	Pahari	0.000	0.000	0.000	0.000	0.000
		52	Rupbas	0.000	0.000	0.000	0.000	0.000
		53	Sewar	0.165	14.010	14.011	14.012	14.014
		54	Weir	0.002	0.000	0.000	0.000	0.000
			Sub Total	0.536	14.033	14.036	14.039	14.045
7	Bhilwara	55	Asind	0.092	0.006	0.006	0.007	0.008
		56	Banera	0.019	0.001	0.001	0.001	0.002
		57	Hurda	0.000	0.000	0.000	0.000	0.000
		58	Jahazpur	0.245	0.015	0.016	0.018	0.020
		59	Kotri	0.054	0.003	0.004	0.004	0.004
		60	Mandal	0.012	0.001	0.001	0.001	0.001
		61	Mandalgarh	0.570	0.036	0.038	0.042	0.047
		62	Raipur	0.443	0.028	0.029	0.033	0.036
		63	Sahara	0.013	0.001	0.001	0.001	0.001
		64	Shahpura	0.275	0.017	0.018	0.020	0.023
		65	Suwana	0.053	0.003	0.004	0.004	0.004
			Sub Total	1.776	0.111	0.118	0.131	0.146
8	Bikaner	66	Bikaner	0.009	0.001	0.001	0.001	0.001
		67	Dungargar	0.000	0.000	0.000	0.000	0.000
		68	Khajuwala	0.001	0.000	0.000	0.000	0.000
		69	Kolayat	0.007	0.000	0.000	0.000	0.001
		70	Lunkaransar	0.001	0.000	0.000	0.000	0.000
		71	Nokha	0.000	0.000	0.000	0.000	0.000
			Sub Total	0.018	0.001	0.001	0.001	0.002

S. No.	District	S. No.	Block	% of Total Forest area	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
1	2	3	4	5	6	7	8	9
9	Bundi	72	Bundi	0.567	0.035	0.038	0.042	0.047
		73	Hindoli	1.553	0.097	0.103	0.115	0.128
		74	Keshorai Patan	0.496	0.031	0.033	0.037	0.041
		75	Nainwa	0.874	0.055	0.058	0.065	0.072
		76	Talera	0.449	0.028	0.030	0.033	0.037
			Sub Total	3.940	0.246	0.262	0.292	0.325
10	Chittorgarh	77	Bari Sadri	0.413	0.026	0.027	0.031	0.034
		78	Begun	1.188	0.074	0.079	0.088	0.098
		79	Bhadesar	0.063	0.004	0.004	0.005	0.005
		80	Bhainsrorgarh	1.371	0.086	0.091	0.102	0.113
		81	Bhopalsagar	0.001	0.000	0.000	0.000	0.000
		82	Chittaurgarh	0.786	0.049	0.052	0.058	0.065
		83	Dungla	0.011	0.001	0.001	0.001	0.001
		84	Gangrar	0.071	0.004	0.005	0.005	0.006
		85	Kapasan	0.000	0.000	0.000	0.000	0.000
		86	Nimbahera	0.585	0.037	0.039	0.043	0.048
		87	Rashmi	0.008	0.000	0.001	0.001	0.001
			Sub Total	4.497	0.281	0.299	0.334	0.371
11	Churu	88	Churu	0.001	0.000	0.000	0.000	0.000
		89	Rajgarh	1.658	0.104	0.110	0.123	0.136
		90	Ratangar	0.000	0.000	0.000	0.000	0.000
		91	Sardarshhar	0.000	0.000	0.000	0.000	0.000
		92	Sujangarh	0.000	0.000	0.000	0.000	0.000
		93	Taranagar	0.000	0.000	0.000	0.000	0.000
			Sub Total	1.659	0.104	0.110	0.123	0.136
12	Dausa	94	Bandikui	0.129	0.008	0.009	0.010	0.011
		95	Dausa	0.142	0.009	0.009	0.011	0.012
		96	Lalsot	0.384	0.024	0.026	0.029	0.032
		97	Mahwa	0.000	0.000	0.000	0.000	0.000
		98	Sikrai	0.246	0.015	0.016	0.018	0.020
			Sub Total	0.901	0.056	0.060	0.068	0.075
13	Dhaulpur	99	Bari	0.796	0.050	0.053	0.059	0.065
		100	Baseri	1.228	0.077	0.082	0.091	0.101
		101	Dhaulpur	0.072	0.004	0.005	0.005	0.006
		102	Rajakhera	0.023	0.001	0.001	0.002	0.002
			Sub Total	2.118	0.132	0.141	0.157	0.174
14	Dungarpur	103	Aspur	0.121	0.008	0.008	0.009	0.010
		104	Bichhiwara	1.137	0.071	0.075	0.084	0.093
		105	Dungarpur	0.176	0.011	0.012	0.013	0.014
		106	Sagwara	0.328	0.020	0.022	0.024	0.027
		107	Simalwara	0.275	0.017	0.018	0.020	0.023
			Sub Total	2.036	0.127	0.135	0.150	0.167
15	Ganganagar	108	Anupgarh	0.000	0.000	0.000	0.000	0.000
		109	Ganganagar	0.000	0.000	0.000	0.000	0.000
		110	Ghadsana	0.000	0.000	0.000	0.000	0.000
		111	Karanpur	0.000	0.000	0.000	0.000	0.000

S. No.	District	S. No.	Block	% of Total Forest area	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
1	2	3	4	5	6	7	8	9
		112	Padampur	0.000	0.000	0.000	0.000	0.000
		113	Raisinghnagar	0.000	0.000	0.000	0.000	0.000
		114	Sadulshahar	0.000	0.000	0.000	0.000	0.000
		115	Suratgarh	0.000	0.000	0.000	0.000	0.000
			Sub Total	0.000	0.000	0.000	0.000	0.000
16	Hanumangarh	116	Bhadra	0.000	0.000	0.000	0.000	0.000
		117	Hanumangarh	0.070	0.004	0.005	0.005	0.006
		118	Nohar	0.000	0.000	0.000	0.000	0.000
		119	Pilibanga	0.000	0.000	0.000	0.000	0.000
		120	Rawatsar	0.000	0.000	0.000	0.000	0.000
		121	Sangariya	0.000	0.000	0.000	0.000	0.000
		122	Tibi	0.000	0.000	0.000	0.000	0.000
			Sub Total	0.071	0.004	0.005	0.005	0.006
17	Jaipur	123	Amber	0.790	0.049	0.052	0.059	0.065
		124	Bassi	0.070	0.004	0.005	0.005	0.006
		125	Chaksu	0.003	0.000	0.000	0.000	0.000
		126	Dudu	0.003	0.000	0.000	0.000	0.000
		127	Govindgarh	0.024	0.001	0.002	0.002	0.002
		128	Jamwa Ramgar	1.054	0.066	0.070	0.078	0.087
		129	Jhotwara	0.049	0.003	0.003	0.004	0.004
		130	Kotputli	0.228	0.014	0.015	0.017	0.019
		131	Phagi	0.031	0.002	0.002	0.002	0.003
		132	Sambhar	0.002	0.000	0.000	0.000	0.000
		133	Sanganer	0.016	0.001	0.001	0.001	0.001
		134	Shahpura	0.275	0.017	0.018	0.020	0.023
		135	Viratnagar	0.676	0.042	0.045	0.050	0.056
			Sub Total	3.220	0.199	0.213	0.238	0.266
18	Jaisalmer	136	Jaisalmer	0.009	0.001	0.001	0.001	0.001
		137	Sam	0.005	0.000	0.000	0.000	0.000
		138	Sankra	0.006	0.000	0.000	0.000	0.000
			Sub Total	0.020	0.001	0.001	0.001	0.001
19	Jalore	139	Ahore	0.034	0.002	0.002	0.003	0.003
		140	Bhinmal	0.043	0.003	0.003	0.003	0.004
		141	Chitalwana	0.042	0.003	0.003	0.003	0.003
		142	Jalor	0.131	0.008	0.009	0.010	0.011
		143	Jaswantpura	0.179	0.011	0.012	0.013	0.015
		144	Raniwara	0.031	0.002	0.002	0.002	0.003
		145	Sanchore	0.016	0.001	0.001	0.001	0.001
		146	Sayla	0.044	0.003	0.003	0.003	0.004
			Sub Total	0.521	0.033	0.035	0.038	0.044
20	Jhalawar	147	Bakani	1.083	0.068	0.072	0.080	0.089
		148	Dag	0.747	0.047	0.050	0.055	0.061
		149	Jhalrapatan	0.990	0.062	0.066	0.073	0.081
		150	Khanpur	0.944	0.059	0.063	0.070	0.078
		151	Manohar Thana	1.139	0.071	0.076	0.085	0.094
		152	Pirawa	0.280	0.017	0.019	0.021	0.023

S. No.	District	S. No.	Block	% of Total Forest area	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
1	2	3	4	5	6	7	8	9
			Sub Total	5.184	0.324	0.346	0.384	0.426
21	Jhunjhunun	153	Alsisar	0.008	0.000	0.001	0.001	0.001
		154	Buhana	0.068	0.004	0.005	0.005	0.006
		155	Chirawa	0.011	0.001	0.001	0.001	0.001
		156	Jhunjhunun	0.016	0.001	0.001	0.001	0.001
		157	Khetri	1.089	0.068	0.072	0.081	0.089
		158	Nawalgarh	0.084	0.005	0.006	0.006	0.007
		159	Surajgarh	0.013	0.001	0.001	0.001	0.001
		160	Udaipurwati	0.556	0.035	0.037	0.041	0.046
			Sub Total	1.844	0.115	0.124	0.137	0.152
22	Jodhpur	161	Balesar	0.000	0.000	0.000	0.000	0.000
		162	Bap	0.000	0.000	0.000	0.000	0.000
		163	Bawari	0.000	0.000	0.000	0.000	0.000
		164	Bhopalgarh	0.000	0.000	0.000	0.000	0.000
		165	Bilara	0.011	0.001	0.001	0.001	0.001
		166	Luni	0.005	0.000	0.000	0.000	0.000
		167	Mandor	0.082	0.005	0.005	0.006	0.007
		168	Osian	0.000	0.000	0.000	0.000	0.000
		169	Phalodi	0.001	0.000	0.000	0.000	0.000
		170	Shergarh	0.000	0.000	0.000	0.000	0.000
			Sub Total	0.099	0.006	0.006	0.007	0.008
23	Karauli	171	Hindaun	0.172	0.011	0.011	0.013	0.014
		172	Karauli	1.187	0.074	0.079	0.088	0.098
		173	Nadoti	0.319	0.020	0.021	0.024	0.026
		174	Sapotra	3.655	0.228	0.243	0.271	0.300
		175	Todabhim	0.079	0.005	0.005	0.006	0.006
			Sub Total	5.411	0.338	0.359	0.402	0.444
24	Kota	176	Itawa	0.000	0.000	0.000	0.000	0.000
		177	Khairabad	0.365	0.023	0.024	0.027	0.030
		178	Ladpur	1.344	0.084	0.089	0.100	0.111
		179	Sangod	0.185	0.012	0.012	0.014	0.015
		180	Sultanpura	0.026	0.002	0.002	0.002	0.002
			Sub Total	1.921	0.121	0.127	0.143	0.158
25	Nagaur	181	Degana	0.000	0.000	0.000	0.000	0.000
		182	Didwana	0.000	0.000	0.000	0.000	0.000
		183	Jayal	0.000	0.000	0.000	0.000	0.000
		184	Kuchaman City	0.045	0.003	0.003	0.003	0.004
		185	Ladnu	0.000	0.000	0.000	0.000	0.000
		186	Makrana	0.000	0.000	0.000	0.000	0.000
		187	Merta	0.000	0.000	0.000	0.000	0.000
		188	Mundwa	0.000	0.000	0.000	0.000	0.000
		189	Nagaur	0.000	0.000	0.000	0.000	0.000
		190	Parbatsar	0.117	0.007	0.008	0.009	0.010
		191	Riyan	0.009	0.001	0.001	0.001	0.001
			Sub Total	0.172	0.011	0.012	0.013	0.015

S. No.	District	S. No.	Block	% of Total Forest area	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
1	2	3	4	5	6	7	8	9
26	Pali	192	Bali	0.965	0.060	0.064	0.072	0.079
		193	Desuri	0.698	0.044	0.046	0.052	0.057
		194	Jaitaran	0.056	0.003	0.004	0.004	0.005
		195	Marwar Junction	0.566	0.035	0.038	0.042	0.047
		196	Pali	0.019	0.001	0.001	0.001	0.002
		197	Raipur	0.443	0.028	0.029	0.033	0.036
		198	Rani	0.045	0.003	0.003	0.003	0.004
		199	Rohat	0.001	0.000	0.000	0.000	0.000
		200	Sojat	0.271	0.017	0.018	0.020	0.022
		201	Sumerpur	0.038	0.002	0.003	0.003	0.003
			Sub Total	3.102	0.193	0.206	0.230	0.255
27	Pratapgarh	202	Arnod	0.726	0.045	0.048	0.054	0.060
		203	Chhoti Sadri	0.668	0.042	0.044	0.050	0.055
		204	Dhariawad	2.127	0.133	0.141	0.158	0.175
		205	Peepalkhoont	1.197	0.075	0.080	0.089	0.098
		206	Pratapgarh	2.905	0.182	0.193	0.216	0.239
			Sub Total	7.623	0.477	0.506	0.567	0.627
28	Rajsamand	207	Amet	0.031	0.002	0.002	0.002	0.003
		208	Bhim	0.534	0.033	0.035	0.040	0.044
		209	Deogarh	0.105	0.007	0.007	0.008	0.009
		210	Khamnor	0.064	0.004	0.004	0.005	0.005
		211	Kumbhalgarh	1.219	0.076	0.081	0.090	0.100
		212	Railmagra	0.001	0.000	0.000	0.000	0.000
		213	Rajsamand	0.000	0.000	0.000	0.000	0.000
			Sub Total	1.953	0.122	0.129	0.145	0.161
29	Sawai madhopur	214	Bamanwas	0.175	0.011	0.012	0.013	0.014
		215	Bonli	0.080	0.005	0.005	0.006	0.007
		216	Gangapur	0.051	0.003	0.003	0.004	0.004
		217	Khandar	2.220	0.139	0.147	0.165	0.183
		218	Sawai Madhopur	0.930	0.058	0.062	0.069	0.076
			Sub Total	3.457	0.216	0.229	0.257	0.284
30	Sikar	219	Danta Ramgarh	0.032	0.002	0.002	0.002	0.003
		220	Dhond	0.040	0.003	0.003	0.003	0.003
		221	Fatehpur	0.017	0.001	0.001	0.001	0.001
		222	Khandela	0.197	0.012	0.013	0.015	0.016
		223	Lachhmangarh	0.095	0.006	0.006	0.007	0.008
		224	Neem Ka Thana	0.869	0.054	0.058	0.064	0.071
		225	Piprali	0.189	0.012	0.013	0.014	0.016
		226	Srimadhopur	0.017	0.001	0.001	0.001	0.001
			Sub Total	1.455	0.091	0.097	0.107	0.119
31	Sirohi	227	Abu Road	1.983	0.124	0.132	0.147	0.163
		228	Pindwara	1.111	0.069	0.074	0.082	0.091
		229	Reodar	0.441	0.028	0.029	0.033	0.036
		230	Sheoganj	0.492	0.031	0.033	0.036	0.040
		231	Sirohi	0.345	0.022	0.023	0.026	0.028
			Sub Total	4.371	0.274	0.291	0.324	0.358

S. No.	District	S. No.	Block	% of Total Forest area	Water Demand in 2010 Mm^3/yr	Water Demand in 2020 Mm^3/yr	Water Demand in 2040 Mm^3/yr	Water Demand in 2060 Mm^3/yr
1	2	3	4	5	6	7	8	9
32	Tonk	232	Deoli	0.452	0.028	0.030	0.034	0.037
		233	Malpura	0.072	0.004	0.005	0.005	0.006
		234	Niwai	0.110	0.007	0.007	0.008	0.009
		235	Todaraisingh	0.107	0.007	0.007	0.008	0.009
		236	Tonk	0.092	0.006	0.006	0.007	0.008
		237	Uniara	0.216	0.014	0.014	0.016	0.018
			Sub Total	1.049	0.066	0.069	0.078	0.087
33	Udaipur	238	Bargaon	0.364	0.023	0.024	0.027	0.030
		239	Bhindar	0.417	0.026	0.028	0.031	0.034
		240	Girwa	1.748	0.109	0.116	0.130	0.144
		241	Gogunda	1.965	0.123	0.130	0.146	0.162
		242	Jhadol	4.280	0.268	0.284	0.318	0.352
		243	Kherwara	1.153	0.072	0.077	0.086	0.095
		244	Kotra	5.985	0.376	0.394	0.444	0.482
		245	Lasadiya	0.995	0.062	0.066	0.074	0.082
		246	Mavli	0.024	0.002	0.002	0.002	0.002
		247	Rishabhdeo	0.617	0.039	0.041	0.046	0.051
		248	Salumbar	0.889	0.056	0.059	0.066	0.073
		249	Sarada	0.870	0.054	0.058	0.065	0.072
			Sub Total	19.307	1.210	1.279	1.435	1.579
			Total	**100.000**	**20.250**	**20.640**	**21.420**	**22.220**

Source: State Forest Report 2010

Sample calculation for year 2010 in Table B-8.1:

For Arain block (S. No. 1 of Block) of Ajmer district (S. No. 1 of district) water demand
= 0.037 (Col.5) x (20.25*-14.00**)

*State Total for year 2010 at end of Table B-8.1

** Keoladeo demand not to be distributed amongst blocks.

Same steps repeated for 2020, 2040 and 2060.

Appendix B-9: Present and Projected Industrial Water Demand

Table B-9.1 District and Block wise Water Requirement for Industries in 2010, 2020, 2040 and 2060 (within and outside RIICO Areas)

S. No.	District	S. No.	Block	Total Water Requirement, Mm^3/yr			
				2010	2020	2040	2060
1	Ajmer	1	Arain	0.17	0.21	0.33	0.52
		2	Bhinay	0	0	0	0
		3	Jawaja	0.52	0.65	1.02	1.59
		4	Kekri	0.23	0.29	0.45	0.7
		5	Kishangarh	2.5	3.13	4.89	7.64
		6	Masuda	0.13	0.16	0.25	0.39
		7	Peesangan	0.68	0.85	1.33	2.08
		8	Srinagar	1.09	1.36	2.13	3.33
			Sub Total	**5.32**	**6.65**	**10.4**	**16.25**
2	Alwar	9	Bansur	0	0	0	0
		10	Behror	2.47	3.09	4.83	7.55
		11	Kathumar	0.01	0.01	0.02	0.03
		12	Kishangarh Bas	0.14	0.18	0.28	0.44
		13	Kotkasim	0	0	0	0
		14	Lachhmangarh	0	0	0	0
		15	Mandawar	0	0	0	0
		16	Nimarana	7.02	8.78	13.72	21.44
		17	Rajgarh	0.08	0.1	0.16	0.25
		18	Ramgarh	4.46	5.58	8.72	13.63
		19	Reni	0	0	0	0
		20	Thanagazi	0.06	0.08	0.13	0.2
		21	Tijara	10.61	13.26	20.72	32.38
		22	Umren	0.36	0.45	0.7	1.09
			Sub Total	**25.21**	**31.53**	**49.28**	**77.01**
3	Banswara	23	Anandpur	0	0	0	0
		24	Bagidora	0	0	0	0
		25	Banswara	5.96	7.45	11.64	18.19
		26	Choti Sarwan	0	0	0	0
		27	Ghari	1.85	2.31	3.61	5.64
		28	Ghatol	0.04	0.05	0.08	0.13
		29	Kushalgarh	0.02	0.03	0.05	0.08
		30	Sajjangarh	0	0	0	0
			Sub Total	**7.87**	**9.84**	**15.38**	**24.04**
4	Baran	31	Antah	0	0	0	0
		32	Atru	0	0	0	0
		33	Baran	0.34	0.43	0.67	1.05
		34	Chhabra	0.02	0.03	0.05	0.08
		35	Chhipabarod	0	0	0	0
		36	Kishanganj	0	0	0	0
		37	Shahbad	0	0	0	0

S. No.	District	S. No.	Block	Total Water Requirement, Mm^3/yr			
				2010	2020	2040	2060
			Sub Total	**0.36**	**0.46**	**0.72**	**1.13**
5	Barmer	38	Balotra	1.99	2.49	3.89	6.08
		39	Barmer	0.12	0.15	0.23	0.36
		40	Baytoo	8.93	11.16	17.44	27.25
		41	Chohtan	0	0	0	0
		42	Dhorimanna	0	0	0	0
		43	Sheo	0	0	0	0
		44	Sindhari	0.08	0.1	0.16	0.25
		45	Siwana	0.17	0.21	0.33	0.52
			Sub Total	**11.29**	**14.11**	**22.05**	**34.46**
6	Bharatpur	46	Bayana	0.5	0.63	0.98	1.53
		47	Deeg	0.08	0.1	0.16	0.25
		48	Kaman	0.08	0.1	0.16	0.25
		49	Kumher	0	0	0	0
		50	Nadbai	0	0	0	0
		51	Nagar Pahari	0	0	0	0
		52	Rupbas	0	0	0	0
		53	Sewar	0.48	0.6	0.94	1.47
		54	Weir	0	0	0	0
			Sub Total	**1.14**	**1.43**	**2.24**	**3.5**
7	Bhilwara	55	Asind	0	0	0	0
		56	Banera	0.1	0.13	0.2	0.31
		57	Hurda	4.27	5.34	8.34	13.03
		58	Jahazpur	0.13	0.16	0.25	0.39
		59	Kotri	0	0	0	0
		60	Mandal	0	0	0	0
		61	Mandalgarh	0.07	0.09	0.14	0.22
		62	Raipur	0	0	0	0
		63	Sahara	0	0	0	0
		64	Shahpura	0	0	0	0
		65	Suwana	3.99	4.99	7.8	12.19
			Sub Total	**8.56**	**10.71**	**16.73**	**26.14**
8	Bikaner	66	Bikaner	3.14	3.93	6.14	9.59
		67	Dungargarh	0.54	0.68	1.06	1.66
		68	Khajuwala	0.98	1.23	1.92	3
		69	Kolayat	0	0	0	0
		70	Lunkaransar	0.65	0.81	1.27	1.98
		71	Nokha	0.61	0.76	1.19	1.86
			Sub Total	**5.92**	**7.41**	**11.58**	**18.09**
9	Bundi	72	Bundi	0.25	0.31	0.48	0.75
		73	Hindoli	0	0	0	0
		74	Keshoraipatan	0.04	0.05	0.08	0.13
		75	Nainwa	0	0	0	0
		76	Talera	0.12	0.15	0.23	0.36

S. No.	District	S. No.	Block	Total Water Requirement, Mm^3/yr			
				2010	2020	2040	2060
			Sub Total	**0.41**	**0.51**	**0.79**	**1.24**
10	Chittaurgarh	77	Badi Sadri	0	0	0	0
		78	Begun	0	0	0	0
		79	Bhadesar	0	0	0	0
		80	Bainsrorgarh	4.46	5.58	8.72	13.63
		81	Bhopalsagar	0	0	0	0
		82	Chittorgarh	10.94	13.68	21.38	33.41
		83	Dungla	0	0	0	0
		84	Gangrar	0.31	1.67	2.61	4.08
		85	Kapasan	0.43	0.54	0.84	1.31
		86	Nimbahera	10.8	13.5	21.09	32.95
		87	Rashmi	0	0	0	0
			Sub Total	**26.94**	**34.97**	**54.64**	**85.38**
11	Churu	88	Churu	0.66	0.83	1.3	2.03
		89	Rajgarh	0.24	0.3	0.47	0.73
		90	Ratangarh	0.53	0.66	1.03	1.61
		91	Sardarsahar	0.19	0.24	0.38	0.59
		92	Sujangarh	0.23	0.29	0.45	0.7
		93	Taranagar	0.12	0.15	0.23	0.36
			Sub Total	**1.97**	**2.47**	**3.86**	**6.02**
12	Dausa	94	Bandikui	0.14	0.18	0.28	0.44
		95	Dausa	0.38	0.48	0.75	1.17
		96	Lalsot	0.2	0.25	0.39	0.61
		97	Mahwa	0.16	0.2	0.31	0.48
		98	Sikrai	0	0	0	0
			Sub Total	**0.88**	**1.11**	**1.73**	**2.7**
13	Dholpur	99	Bari	0.12	0.15	0.23	0.36
		100	Baseri	0	0	0	0
		101	Dholpur	3.53	4.41	6.89	10.77
		102	Rajakhera	0.9	1.13	1.77	2.77
			Sub Total	**4.55**	**5.69**	**8.89**	**13.9**
14	Dungarpur	103	Aspur	0	0	0	0
		104	Bichhiwara	0.4	0.5	0.78	1.22
		105	Dungarpur	1.66	2.08	3.25	5.08
		106	Sagwara	0.07	0.09	0.14	0.22
		107	Simalwara	0	0	0	0
			Sub Total	**2.13**	**2.67**	**4.17**	**6.52**
15	Ganganagar	108	Anupgarh	0.17	0.21	0.33	0.52
		109	Ganganagar	3.65	4.56	7.13	11.14
		110	Ghadsana	1.55	1.94	3.03	4.73
		111	Karanpur	0.23	0.29	0.45	0.7
		112	Padampur	0.05	0.06	0.09	0.14
		113	Raisinghnagar	0.12	0.15	0.23	0.36
		114	Sadulshahar	0.68	0.85	1.33	2.08

S. No.	District	S. No.	Block	Total Water Requirement, Mm^3/yr			
				2010	2020	2040	2060
		115	Suratgarh	0.17	0.21	0.33	0.52
			Sub Total	**6.62**	**8.27**	**12.92**	**20.19**
16	Hanumangarh	116	Bhadra	0.05	0.06	0.09	0.14
		117	Hanumangarh	0.71	0.89	1.39	2.17
		118	Nohar	0.13	0.16	0.25	0.39
		119	Pilibanga	0.1	0.13	0.2	0.31
		120	Rawatsar	0.16	0.2	0.31	0.48
		121	Sangaria	0.17	0.21	0.33	0.52
		122	Tibi	0	0	0	0
			Sub Total	**1.32**	**1.65**	**2.57**	**4.01**
17	Jaipur	123	Amber	3.64	4.55	7.11	11.11
		124	Bassi	0.44	0.55	0.86	1.34
		125	Chaksu	0.05	0.06	0.09	0.14
		126	Dudu	0.12	0.15	0.23	0.36
		127	Govindgarh	0.94	1.18	1.84	2.88
		128	Jamwa Ramgarh	0.3	0.38	0.59	0.92
		129	Jhotwara	50.44	63.05	98.52	153.94
		130	Kotputli	0	0	0	0
		131	Phagi	0	0	0	0
		132	Sambhar	0.13	0.16	0.25	0.39
		133	Sanganer	33.93	42.41	66.27	103.55
		134	Shahpura	0.19	0.24	0.38	0.59
		135	Viratnagar	0.66	0.83	1.3	2.03
			Sub Total	**90.84**	**113.56**	**177.44**	**277.25**
18	Jaisalmer	136	Jaisalmer	0.36	0.45	0.7	1.09
		137	Sam	0	0	0	0
		138	Sankra	0.12	0.15	0.23	0.36
			Sub Total	**0.48**	**0.6**	**0.93**	**1.45**
19	Jalore	139	Ahore	0	0	0	0
		140	Bhinmal	0	0	0	0
		141	Chitalwana	0	0	0	0
		142	Jalore	0.53	0.66	1.03	1.61
		143	Jaswantpura	0.05	0.06	0.09	0.14
		144	Raniwara	0	0	0	0
		145	Sanchore	0.1	0.13	0.2	0.31
		146	Sayla	0.1	0.13	0.2	0.31
			Sub Total	**0.78**	**0.98**	**1.52**	**2.37**
20	Jhalawar	147	Bakani	0	0	0	0
		148	Dag	0	0	0	0
		149	Jhalrapatan	1.33	1.66	2.59	4.05
		150	Khanpur	0	0	0	0
		151	ManoharThana	0.04	0.05	0.08	0.13
		152	Pirawa	0	0	0	0
			Sub Total	**1.37**	**1.71**	**2.67**	**4.18**

S. No.	District	S. No.	Block	Total Water Requirement, Mm^3/yr			
				2010	2020	2040	2060
21	Jhunjhunu	153	Alsisar	0	0	0	0
		154	Buhana	0.04	0.05	0.08	0.13
		155	Chirawa	0.12	0.15	0.23	0.36
		156	Jhunjhunu	0.49	0.61	0.95	1.48
		157	Khetri	7.7	9.63	15.05	23.52
		158	Nawalgarh	0	0	0	0
		159	Surajgarh	0.12	0.15	0.23	0.36
		160	Udaipurwati	0	0	0	0
			Sub Total	**8.47**	**10.59**	**16.54**	**25.85**
22	Jodhpur	161	Balesar	0	0	0	0
		162	Bap	0	0	0	0
		163	Bawari	0	0	0	0
		164	Bhopalgarh	2.02	2.53	3.95	6.17
		165	Bilara	0.67	0.84	1.31	2.05
		166	Luni	0.2	0.25	0.39	0.61
		167	Mandore	3.49	4.36	6.81	10.64
		168	Osian	0.07	0.09	0.14	0.22
		169	Phalodi	0.25	0.31	0.48	0.75
		170	Shergarh	0	0	0	0
			Sub Total	**6.7**	**8.38**	**13.08**	**20.44**
23	Karauli	171	Hindaun	0.58	0.73	1.14	1.78
		172	Karauli	0.07	0.09	0.14	0.22
		173	Nadoti	0	0	0	0
		174	Sapotra	0	0	0	0
		175	Todabhim	0	0	0	0
			Sub Total	**0.65**	**0.82**	**1.28**	**2**
24	Kota	176	Itawa	0	0	0	0
		177	Khairabad	0.38	0.48	0.75	1.17
		178	Ladpura	14.7	18.38	28.72	44.88
		179	Sangod	0	0	0	0
		180	Sultanpur	17.86	22.33	34.89	54.52
			Sub Total	**32.94**	**41.19**	**64.36**	**100.57**
25	Nagaur	181	Degana	0	0	0	0
		182	Didwana	0.16	0.2	0.31	0.48
		183	Jayal	0	0	0	0
		184	Kuchaman city	0	0	0	0
		185	Ladnu	0.08	0.1	0.16	0.25
		186	Makrana	0.58	0.73	1.14	1.78
		187	Merta	0.11	0.14	0.22	0.34
		188	Mundwa	0	0	0	0
		189	Nagaur	1.63	2.04	3.19	4.98
		190	Parbatsar	0.19	0.24	0.38	0.59
		191	Riyan	0	0	0	0
			Sub Total	**2.75**	**3.45**	**5.4**	**8.42**

S. No.	District	S. No.	Block	Total Water Requirement, Mm^3/yr			
				2010	2020	2040	2060
26	Pali	192	Bali	0.25	0.31	0.48	0.75
		193	Desuri	0	0	0	0
		194	Jaitaran	1.74	2.18	3.41	5.33
		195	Kharchi (Marwar Junction)	0.02	0.03	0.05	0.08
		196	Pali	1.67	2.09	3.27	5.11
		197	Raipur	0.1	0.13	0.2	0.31
		198	Rani Station	0	0	0	0
		199	Rohat	0	0	0	0
		200	Sojat	0.71	0.89	1.39	2.17
		201	Sumerpur	0.18	0.23	0.36	0.56
			Sub Total	**4.67**	**5.86**	**9.16**	**14.31**
27	Pratapgarh	202	Arnod	0	0	0	0
		203	Chhoti Sadri	0	0	0	0
		204	Dhariyabad	0	0	0	0
		205	Pipalkhoont	0	0	0	0
		206	Pratapgarh	0.1	0.13	0.2	0.31
			Sub Total	**0.1**	**0.13**	**0.2**	**0.31**
28	Rajsamand	207	Amet	0	0	0	0
		208	Bhim	0	0	0	0
		209	Deogarh	0	0	0	0
		210	Khamnor	0	0	0	0
		211	Kumbhalgarh	0	0	0	0
		212	Railmagra	6.03	7.54	11.78	18.41
		213	Rajsamand	2.97	3.71	5.8	9.06
			Sub Total	**9**	**11.25**	**17.58**	**27.47**
29	Sawai Madhopur	214	Bamanwas	0	0	0	0
		215	Bonli	0	0	0	0
		216	Gangapur	0.29	0.36	0.56	0.88
		217	Khander	0	0	0	0
		218	Sawai Madhopur	0.56	0.7	1.09	1.7
			Sub Total	**0.85**	**1.06**	**1.65**	**2.58**
30	Sikar	219	Danta Ramgarh	0.07	0.09	0.14	0.22
		220	Dhond	0	0	0	0
		212	Fatehpur	0.02	0.03	0.05	0.08
		222	Khandela	0.02	0.03	0.05	0.08
		223	Lachhmangarh	0	0	0	0
		224	Neem Ka Thana	0.18	0.23	0.36	0.56
		225	Piprali	1	1.25	1.95	3.05
		226	Srimadhopur	1.12	1.4	2.19	3.42
			Sub Total	**2.41**	**3.03**	**4.74**	**7.41**
31	Sirohi	227	Abu Road	1.48	1.85	2.89	4.52
		228	Pindwara	2.73	3.41	5.33	8.33
		229	Reodar	0.01	0.01	0.02	0.03
		230	Sheoganj	0.35	0.44	0.69	1.08

S. No.	District	S. No.	Block	Total Water Requirement, Mm^3/yr			
				2010	2020	2040	2060
		231	Sirohi	1.7	2.13	3.33	5.2
			Sub Total	**6.27**	**7.84**	**12.26**	**19.16**
32	Tonk	232	Deoli	0.12	0.15	0.23	0.36
		233	Malpura	0.2	0.25	0.39	0.61
		234	Niwai	1	1.25	1.95	3.05
		235	Todaraisingh	0	0	0	0
		236	Tonk	0.2	0.25	0.39	0.61
		237	Uniara	0	0	0	0
			Sub Total	**1.52**	**1.9**	**2.96**	**4.63**
33	Udaipur	238	Bargaon	0.32	0.4	0.63	0.98
		239	Bhindar	0	0	0	0
		240	Girwa	16.22	23.67	36.98	57.78
		241	Gogunda	0	0	0	0
		242	Jhadol	0	0	0	0
		243	Kherwara	0	0	0	0
		244	Kotra	0	0	0	0
		245	Lasadiya	0	0	0	0
		246	Mavli	0.3	0.38	0.59	0.92
		247	Rishabhdeo	0	0	0	0
		248	Salumbar	0	0	0	0
		249	Sarda	0	0	0	0
			Sub Total	**16.84**	**24.45**	**38.2**	**59.68**
			Grand Total	**297.13**	**376.28**	**587.92**	**918.66**

Source: RIICO Rajasthan, WRD report 2009, Industries Department, Rajasthan, MSME district reports

Note: For 2010 water requirement refer Section 8.2 and Table B-8.3 of Part B of Volume 1 - Main Report and for projection methodology refer Section 8.3 of Part B of Volume 1 - Main Report.